MAINTENANCE DIAGRAMS

MODEL F4U-4

THE Corsair

THIS BOOK SHOULD BE KEPT UP TO DATE AS DRAWINGS ARE REVISED AND NEW RELEASES ARE DISTRIBUTED. DRAWINGS MUST NOT BE REMOVED FROM THIS COVER EXCEPT WHEN REPLACED OR CANCELLED. EXTRA COPIES MAY BE OBTAINED AT ANY FILE OF C. V. A. BLUEPRINTS, OR FROM THE DISTRIBUTION CLERK OF THE TECHNICAL PUBLICATIONS SECTION.

THIS MANUAL IS A COMPILATION OF DRAWINGS TAKEN FROM CORSAIR ENGINEERING ILLUSTRATIONS. IT IS PRESENTED IN THIS FORM AT THE REQUEST OF UNITED AIRCRAFT SERVICE CORPORATION AS A SERVICE TO THE EMPLOYEES.

W. V. Hunt, Supervisor
TECHNICAL PUBLICATIONS SECTION

MAY 10, 1945

CHANCE VOUGHT

Technical Publications

CHANCE VOUGHT AIRCRAFT • DIVISION OF UNITED AIRCRAFT CORP., STRATFORD, CONN.

REVISION A
JULY 1 1945

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MODEL F4U-4
THE Corsair
CHANCE VOUGHT

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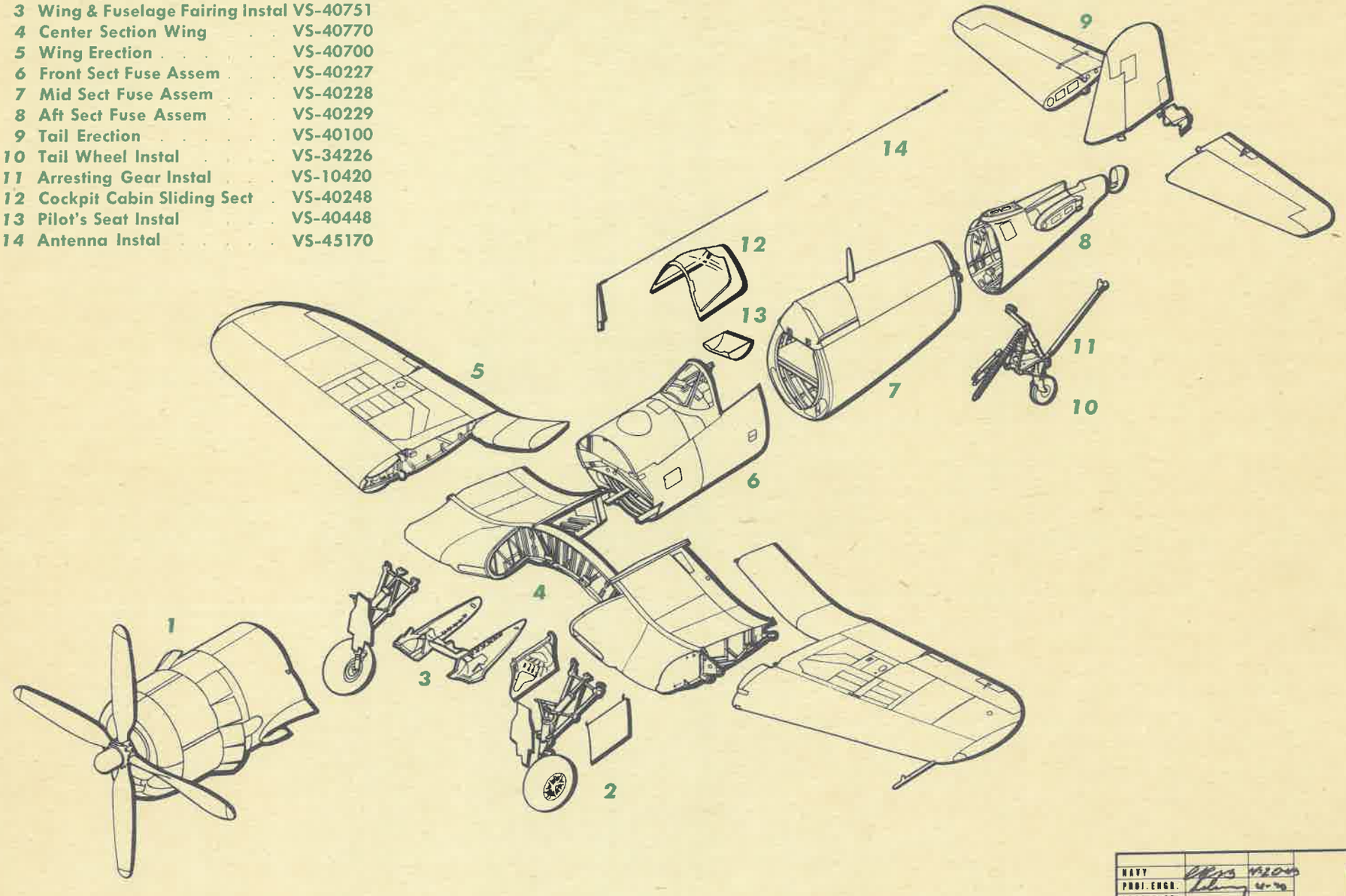
10	Tail Wheel Instal	VS-34226
11	Arresting Gear Instal	VS-10420
12	Cockpit Cabin Sliding Sect	VS-40248
13	Pilot's Seat Instal	VS-40448
14	Antenna Instal	VS-45170



THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV.	BY	ENG.	GOV'T.

NAVY		11-20-44
PROJ. ENGR.		11-30
PROD. ENGR.		
ENGR. CHECK		11-20-44
ILLUS. SUPV.		
CHECKED BY	PATTEN	11-3-44
DRAWN BY	STALEY	11-1-44
SCALE 1/100	SIZE 8 x 14	

MAJOR ASSEMBLIES

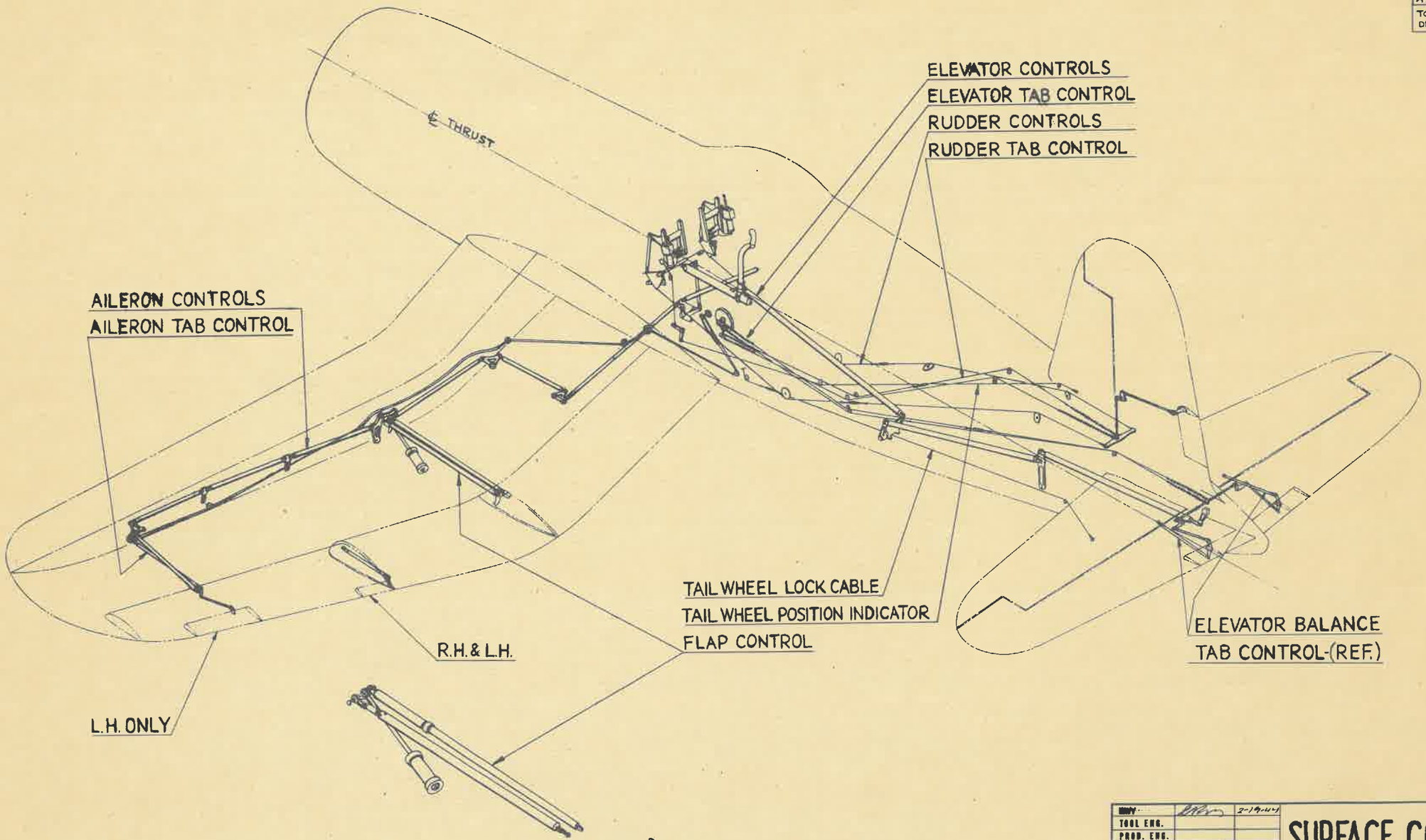
CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · CVS-12050

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT, BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV	BY	ENG.	GOV'T
A	PAVLUVCIK		

TO CONFORM TO LATEST DESIGN - 4-15-44



VS-10901 } SURFACE CONTROLS - O.P. WING
VS-10973 }

VS-40404-2 } SURFACE CONTROLS - FUSELAGE
VS-40404-4 }

VS-10475 - SURFACE CONTROLS - C.S. WING

MFG.		2-19-44
TOOL ENG.		
PROD. ENG.		
PROJ. ENG.		2-19-44
GROUP ENG.		2-17-44
CHECKED BY	DeLuca	2-16-44
DRAWN BY	PAVLUVCIK	2-16-44
TRACED BY		
SCALE 1/20	SIZE - 22 x 34	

SURFACE CONTROLS INSTALLATION

CHANCE VOUGHT AIRCRAFT - DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49404

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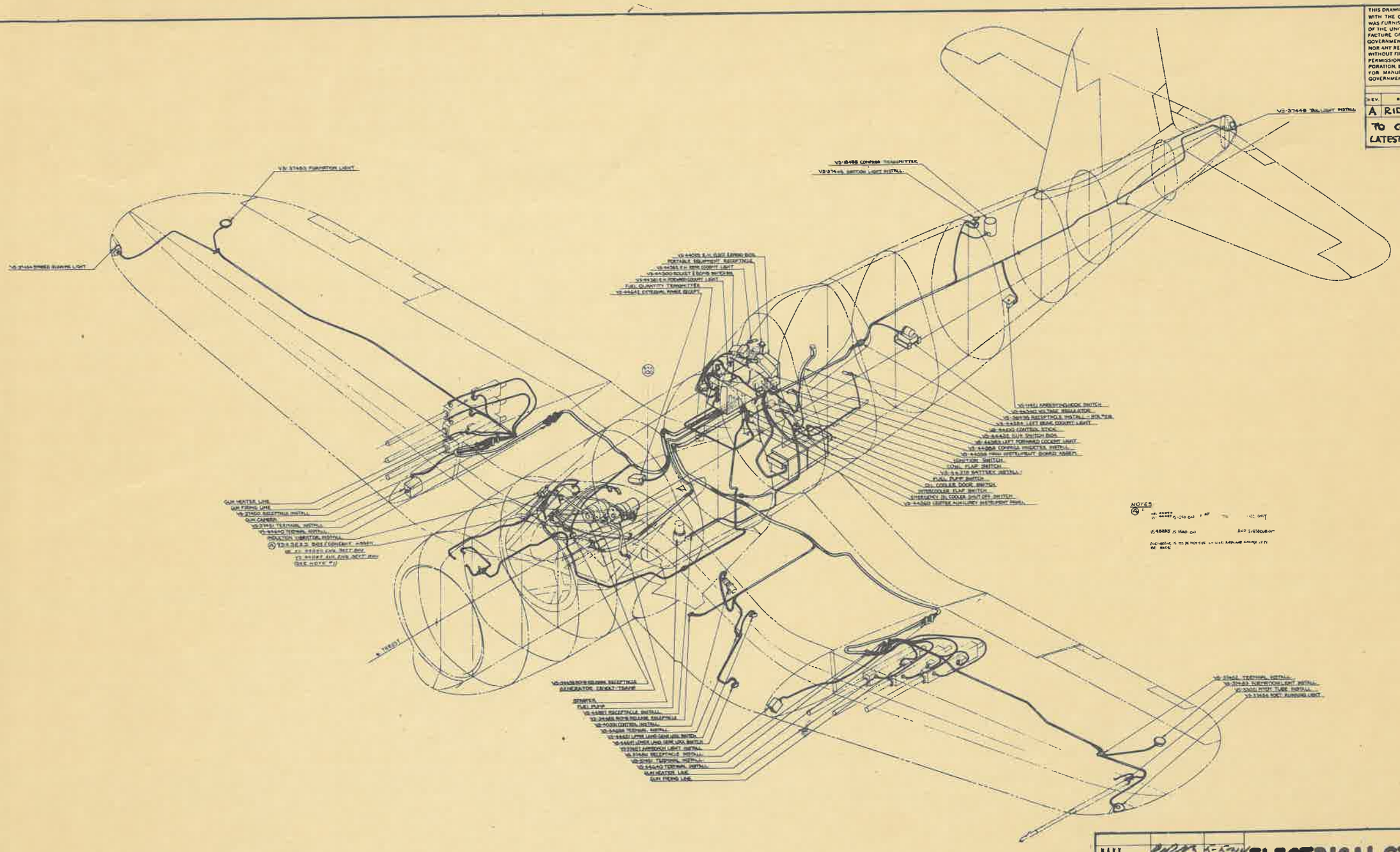
REVISIONS			
REV.	BY	CHG	GOV'T
A	RIDER		CRB

TO CONFORM TO LATEST DESIGN 11-24-45


VS-37448 TAIL LIGHT INSTALL
VS-37463 TURRETSCOPE LIGHT INSTALL
VS-37464 SKIRT RUNNING LIGHT
VS-37465 TERMINAL INSTALL
VS-33001 PITOT TUBE INSTALL
VS-44018 CONTROL BOX
VS-44018 CONTROL STICK
VS-44018 GUN SWITCH BOX
VS-44018 CONTROL INSPECTOR INSTALL
VS-44018 PANEL INSTRUMENT BOARD ASSEMBLY
IGNITION SWITCH
COWL FLAP SWITCH
FUEL PUMP SWITCH
OIL COOLER DOOR SWITCH
INTERCOOLER FLAP SWITCH
EMERGENCY OIL COOLER SHUTOFF SWITCH
VS-44060 CENTER AUXILIARY INSTRUMENT PANEL
VS-44018 CONTROL INSTALL
VS-44018 TERMINAL INSTALL
VS-44018 TERMINAL INSTALL
VS-44018 TERMINA

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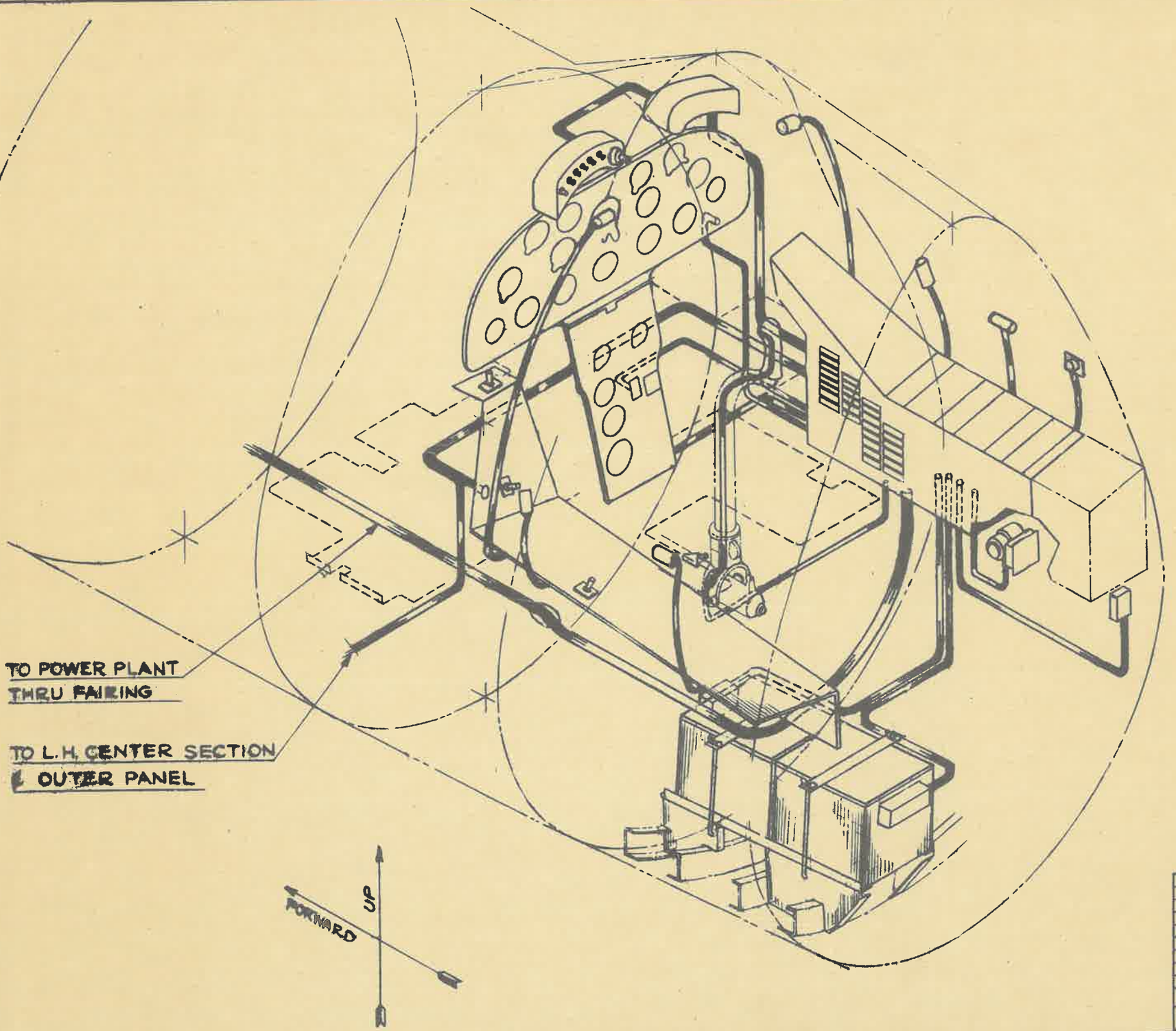
REVISIONS			
REF.	BY	CHK.	GOV'T.
A	FAULHOP		

TO CONFORM TO LATEST DESIGN.

ERRATA

TO CONFORM TO LATEST DESIGN



NOTE: PART NO. VS-40431

NAVY	[illegible]	2-24-44
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	Clark	2-23
GROUP ENG.	[illegible]	2-24-44
CHECKED BY	D&W ITT	2-24-44
DRAWN BY	PAULUCCIN	2-25-44
SCALE 1/10	SIZE 11 x 17	

ELECTRICAL SYSTEM INSTALLATION
FORWARD FUSELAGE UNIT.

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4·VS-49431

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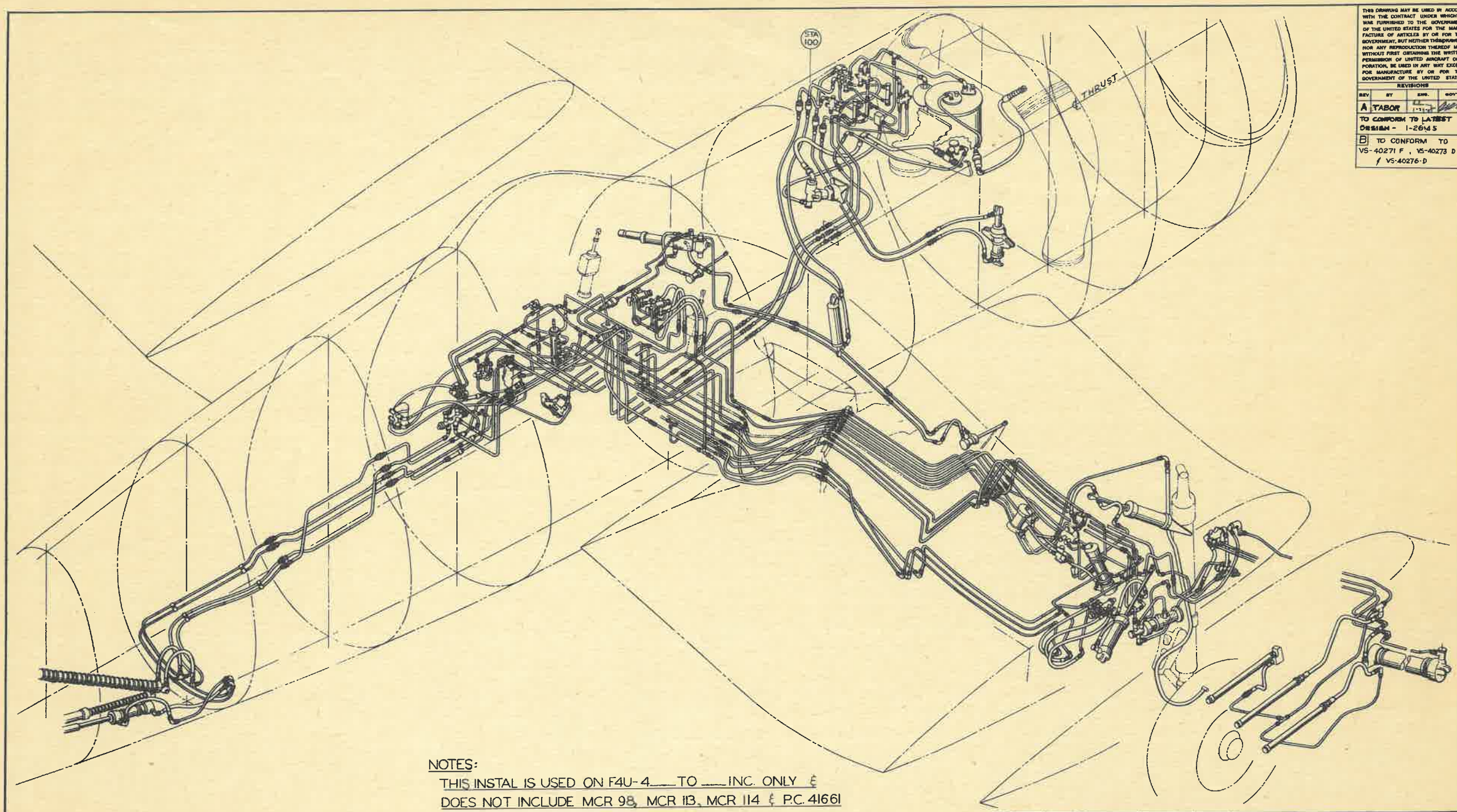
REVISIONS			
REV.	BY	ENG.	GOV'T
A	TABOR		
TO CONFORM TO LATEST DESIGN - 1-26145			
B	TO CONFORM TO VS-40271 F, VS-40273 D & VS-40276-D		



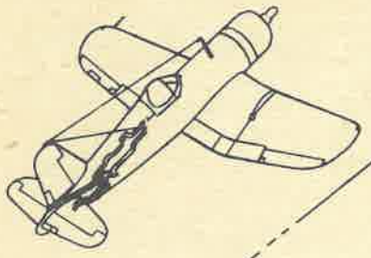
NOTES:
THIS INSTAL IS USED ON F4U-4 ___ TO ___ INC. ONLY &
DOES NOT INCLUDE MCR 98, MCR 113, MCR 114 & P.C. 41661

		NAVY	SWAN	6-30-44
		TOOL ENG.	BERGWALL	6-30-44
		PROD. ENG.	S.K.H.	6-30-44
	4-16-45	PROJ. ENG.	CLARK	6-29-44
	6-26-45	GROUP ENG.	TODD	6-29-44
DEWITT	4-25-45	CHECKED BY	R. SMITH	6-30-44
V. BRETON	4-24-45	DRAWN BY	PAVLJUVCIK	12-4-44
B		TRACED BY		
		SCALE 1/10	SIZE 22 x 34	

HYDRAULIC SYSTEM

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION - MODEL F4U-4 - VS-49997



VS-48064-11·
VS-48064-1·
VS-48064-3·
VS-48064-9·

VS-48135-33
VS-48135-125
VS-48135-137
VS-48135-139

VS-48064-7
VS-48064-5
VS-48064-21
VS-48064-13
VS-24228
VALVE

VS-33890 ARRESTING GEAR (REF)
VS-13853 STRUT ASSEM (REF)

VS-48064-17
AN-6260-6-15
AN-6260-4-13
AN-6260-4-10

PART NO. VS-40276

THIS DRAWING MAY BE USED IN CONNECTION WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT, BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV.	BY	APP'D.	DATE
A	TABOR		TO CONFORM WITH LAST DESIGN 1-20-45
B	TO CONFORM WITH VS-40276-D		

Berry	4-20-44			
		NAVY		
		CH. DESIGN		
		PROD. ENG.		
Peterson	8-20	PROJ. ENG.	Clark	8-4
		GROUP ENG.		7-15
DeWitt	4-16-45	CHECKED BY	DeWitt	7-15-44
AAGENAS	4-14-45	DRAWN BY	BULKELEY	7-13-44
B		SCALE 3/16 APPROX SIZE	14 x 22	

HYDRAULIC SYSTEM

REAR FUSELAGE UNIT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4· VS-49996

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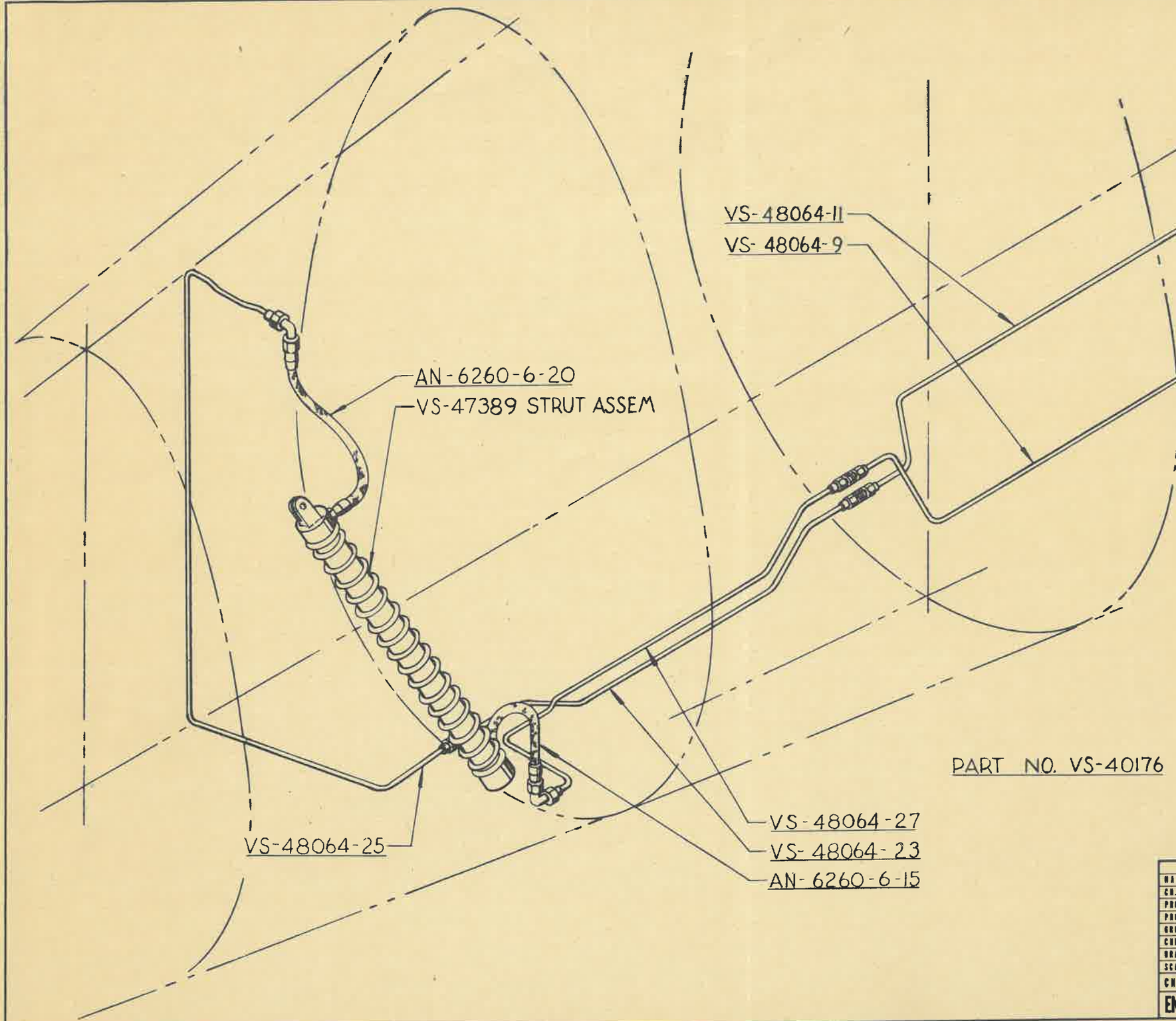
REVISIONS			
DATE	BY	CHG.	GOVT.



NOTE: THIS INSTALLATION IS USED ON F4U-4 ——— AND SUBSEQUENT AND REPLACES VS-40876
SEE ENG. ILLUST. VS-49996 (REF.)

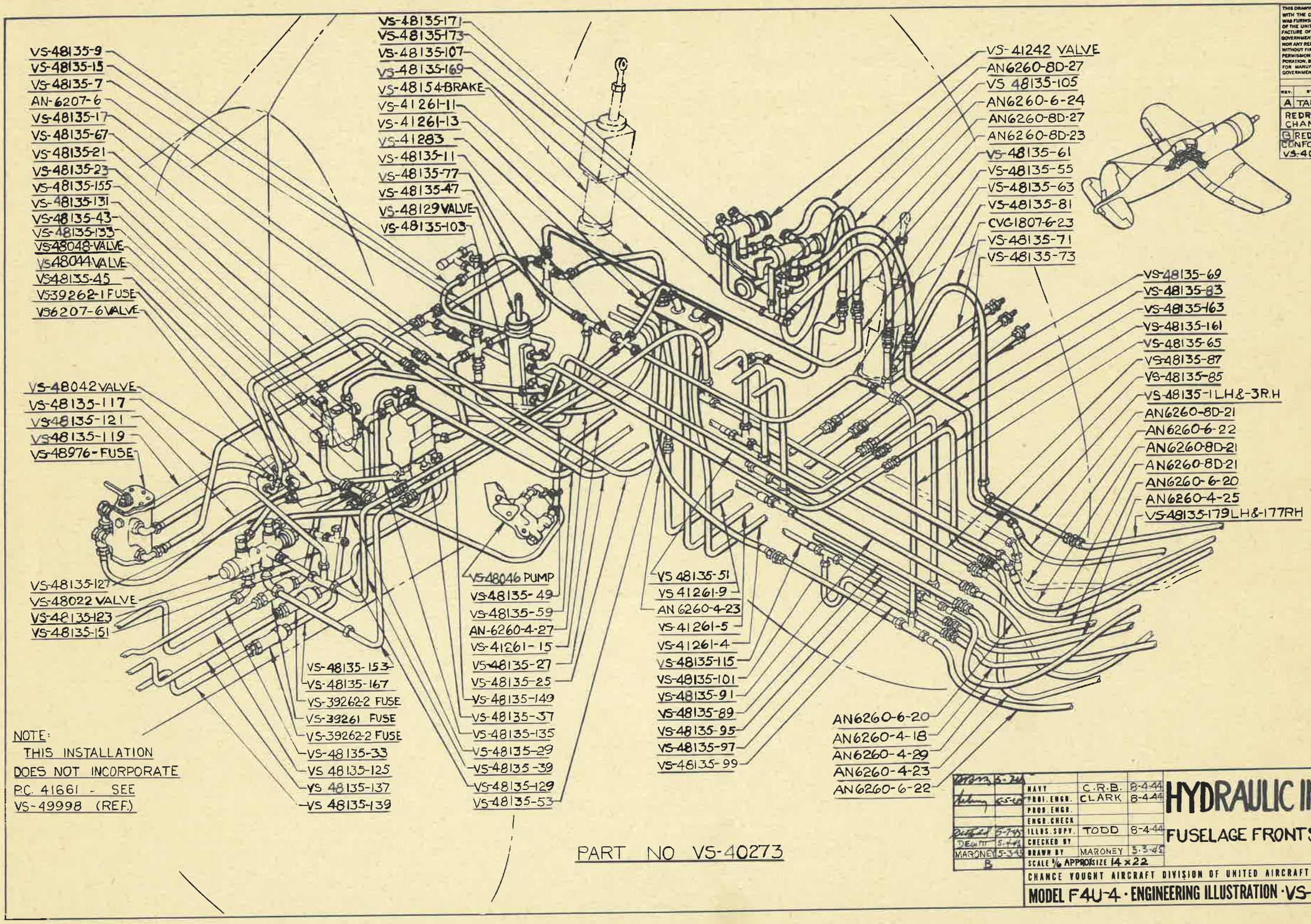
PART NO. VS-40176

NAVY	[signature]	6-4-45
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	[signature]	6-1-45
GROUP ENG.	DWTOOD [signature]	6-1-45
CHECKED BY	DeWITT	5-30-45
DRAWN BY	LAURIDSEN	5-28-45
SCALE 3/8 APPROX SIZE	14 × 22	

HYDRAULIC SYSTEM
REAR FUSELAGE UNIT
M.C.R.-114-2

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 F6-4 · VS-49991



NOTE:
THIS INSTALLATION
DOES NOT INCORPORATE
P.C. 41661 - SEE
VS-49998 (REF.)

PART NO VS-40273

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REVISIONS			
REV.	BY	ENG.	GOVT.
A	TABOR		

A REDRAWN WITH CHANGES 1-19-45
B REDRAWN TO CONFORM WITH VS-40273-REV-D

NAVY	C.R.B.	8-4-44	
PROJ. ENGR.	CLARK	8-4-44	
PROD. ENGR.			
ENGR. CHECK			
ILLUS. SUPV.	TODD	8-4-44	
CHECKED BY			
DRAWN BY	MARONEY	5-3-44	

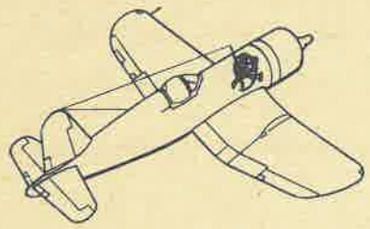
SCALE ½ APPROX SIZE 14 x 22

HYDRAULIC INSTAL

FUSELAGE FRONT SECTION

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49994



VS-48060-11
VS-48033 VALVE
VS-48036 VALVE
VS-48060-13
VS-41315
VS-48060-5
AN6260-4-11
AN6260-4-15
AN6260-4-9
VS-48060-109

VS-41227 FILTER
VS-48034 VALVE
AN6260-8D-8½
VS-48060-43
VS-48060-45
AN6260-8D-12½
VS-48060-59
VS-48060-57
AN863-8D-35
VS-48032 PUMP

VS-40335 AIR BOX ASSEM.
VS-48060-15
VS-48060-63
VS-48060-127
VS-48060-95
VS-48060-21
VS-48041 ACCUMULATOR
VS-4814[illegible] FILTER
VS-48039 VALVE
VS-48040 REGULATOR
AN863-8D-15½
AN6260-4-13
VS-48060-49
VS-48088 RESERVOIR
AN6260-6-22
VS-48060-111
VS-48060-53
AN6240-1 FILTER
VS-48002 PANEL

VS-48060-97
VS-48013 SPACER
VS-48060-7
AN6260-8D-6
AN863-16D-11½
VS-48060-79

AN6260-4-20
AN6260-4-12
AN6260-4-20

VS-48098 COWL FLAP STRUT

AN6260-4-43
AN6260-4-50
AN6260-8D-26
VS-48115 INTERCOOLER DOOR STRUT

STA 100

NOTE:
THIS INSTALLATION DOES NOT INCORPORATE P.C. 41661 - SEE VS-49998 (REF)

PART NO. VS-40271

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REVISIONS			
REV.	BY	ENG.	GOVT.
A	TABOR 1-27-45		
REDRAWN WITH CHANGES 1-26-45			
B	TO CONFORM TO VS-40271 (G), VS-48001, EO 74, EC 75, EO 5448 & 50 39121		

		NAVY	C.R.B	8-4-44
		PROJ. ENGR.	CLARK	8-4-44
		PROD. ENGR.		
		ENGR. CHECK		
		ILLUS. SUPV.	TODD	7-29-44
		CHECKED BY		
		DRAWN BY	TABOR	11-26-45
		SCALE APPROX SIZE	14×22	

HYDRAULIC INSTAL
POWER PLANT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49993

VS-49993

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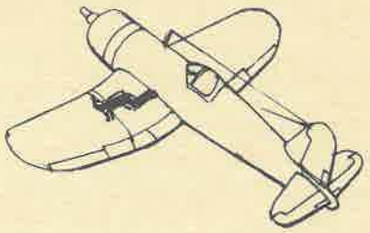
REVISIONS

REV.	
A	TO CONFORM WITH VS-40272 F & E.O.'S 95793 & 904



VS-12852 MANIFOLD
VS-48968 VALVE
VS-48147-137
AN 6260-6-13½

VS 48147-13
VS 48147-29
VS 48147-23
VS 48147-17

VS 48146-1 BRACKET
VS 48966 SUPPORT

AN 6260-6-13½
VS 41151 STRUT
VS 37268-109

VS 48147-25
VS 48147-31

VS 48135-179
AN 6260-8D-22
AN 6260-8D-26
AN 6260-6-25
CO_2 LINE (REF)
AN 6260-4-25
AN 6260-6-28

AN 6260-6-10
VS 15897 VALVE
VS 16101-147
VS 16101-145
VS 16101-135
VS 16101-81
VS 16101-83
VS 16101-91
VS 16101-89
VS 12760 STRUT (REF)
VS 16101-93
CVC 1807-6-57 (REF)

VS 48147-9
VS 48147-5
VS 48147-1
VS 48147-19
VS 41156 STRUT
AN 6260-4-10
AN 6260-4-6
VS 48147-135
VS 15831 VALVE
AN 6260-4-6
VS 37268-111
VS 16101-149
AN 6260-4-10

VS 48147-37
VS 48147-7
VS 48147-11
VS 48147-3
VS 48147-15
CO_2 LINE (REF)

VS 48147-21
VS 48147-33
VS 48147-27

VS 16101-151
VS 24228 RESTRICTOR
AN 6260-6-11
VS 16101-103
AN 6260-6-13½

VS 10912 STRUT (REF)

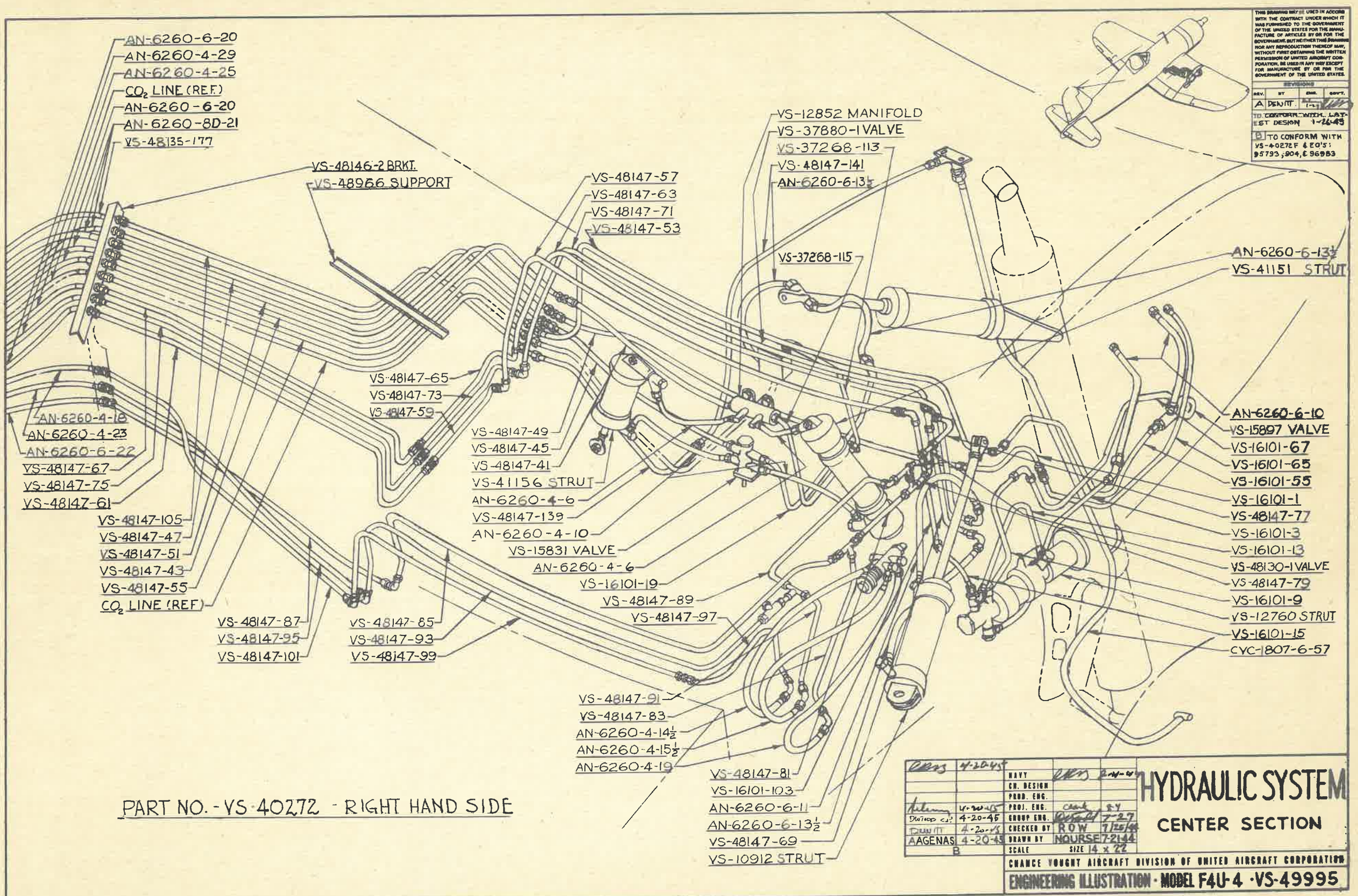
PART NO. VS-40272 -LEFT HAND SIDE

	4-20-45	NAVY		3-20-45
	4-20-45	PROJ. ENGR.		2-21-45
		PROD. ENGR.		
		ENGR. CHECK		
DUNTON	4-20-45	ILLUS. SUPV.		3-20-45
DALLSTI	4-20-45	CHECKED BY		2-17-45
AAGENAS	4-20-45	DRAWN BY	ST ADEWICK	2-17-45
A		SCALE APPROX	SIZE 14 x 22	

HYDRAULIC SYSTEM
CENTER SECTION

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49995



PART NO. - VS-40272 - RIGHT HAND SIDE

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REVISIONS			
REV.	BY	CHK.	GOVT.
A	DEL'D IT. TO CONFORM WITH LATEST DESIGN 1-26-45		
B	TO CONFORM WITH VS-40272 F & EO'S: 95793, 904, & 96953		

	4-20-45	NAVY		2-4-45
		CH. DESIGN		
		PROD. ENG.		
	4-20-45	PROJ. ENG.		8-4
	4-20-45	GROUP ENG.		7-27
	4-20-45	CHECKED BY	ROW	7/25/44
AAGENAS	4-20-45	DRAWN BY	NOURSE	7-21-44
B		SCALE	SIZE 14 x 22	

HYDRAULIC SYSTEM
CENTER SECTION

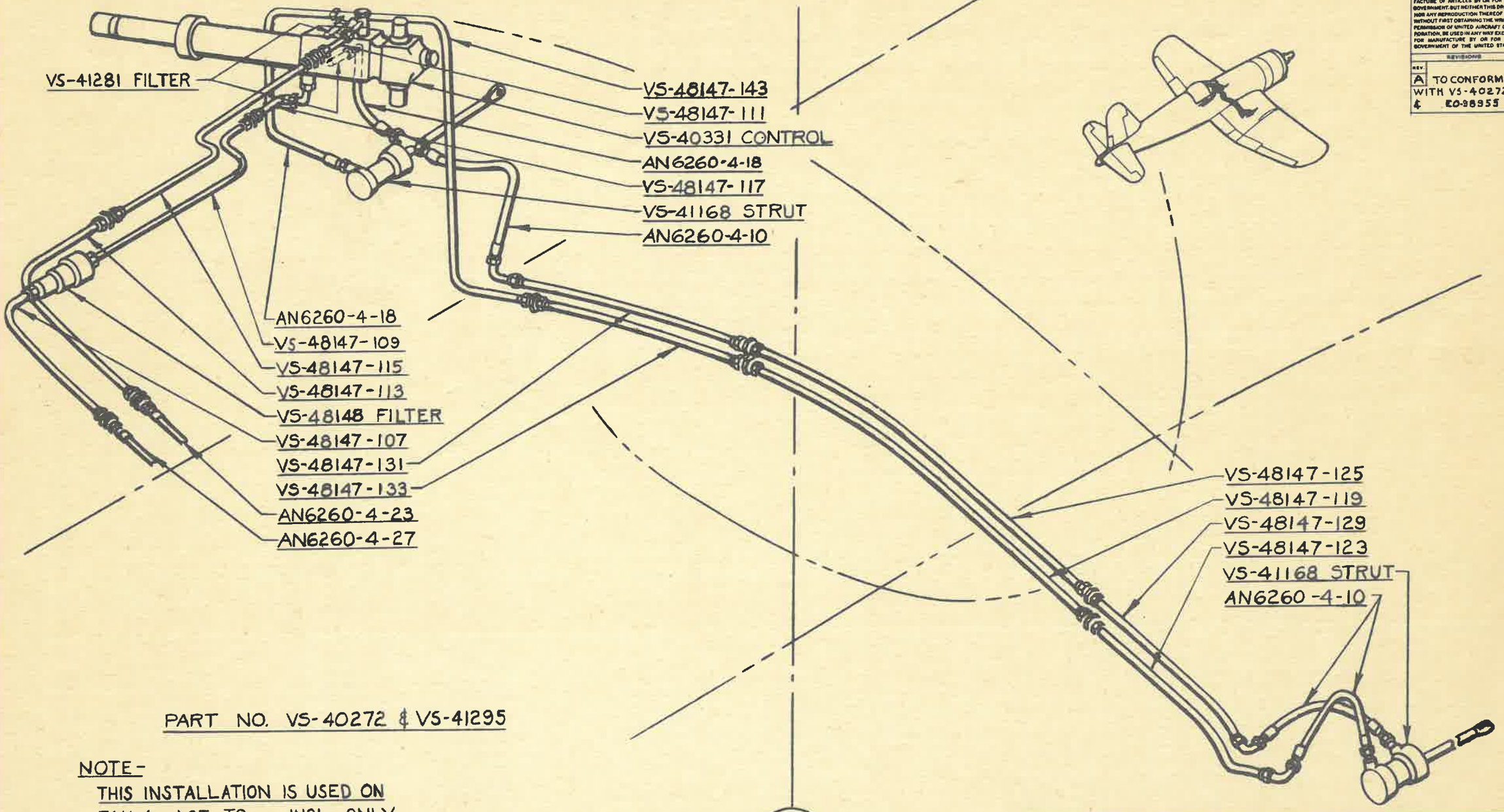
CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49995

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF VOUGHT AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS

REV.	
A	TO CONFORM WITH VS-40272 F & EO-38955



PART NO. VS-40272 & VS-41295

NOTE-
THIS INSTALLATION IS USED ON F4U-4 1ST TO ___ INCL. ONLY AND IS REPLACED BY PC-41661 SEE VS-49995 SHEET 4 OF 4.

	4-26-45	NAVY		1-29-45
		CH. DESIGN		
		PROD. ENG.		
	4-16-45	PROJ. ENG.		1-29-45
	4-16-45	GROUP ENG.		1-29-45
DOWITT	4-27-45	CHECKED BY	DOWITT	1-29-45
AAGENAS	4-25-45	DRAWN BY	TABOR	1-27-45
A		SCALE ½ APPROXSIZE	11 x 17	

HYDRAULIC INSTAL
CENTER SECTION

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49995

SHEET #3 OF 3

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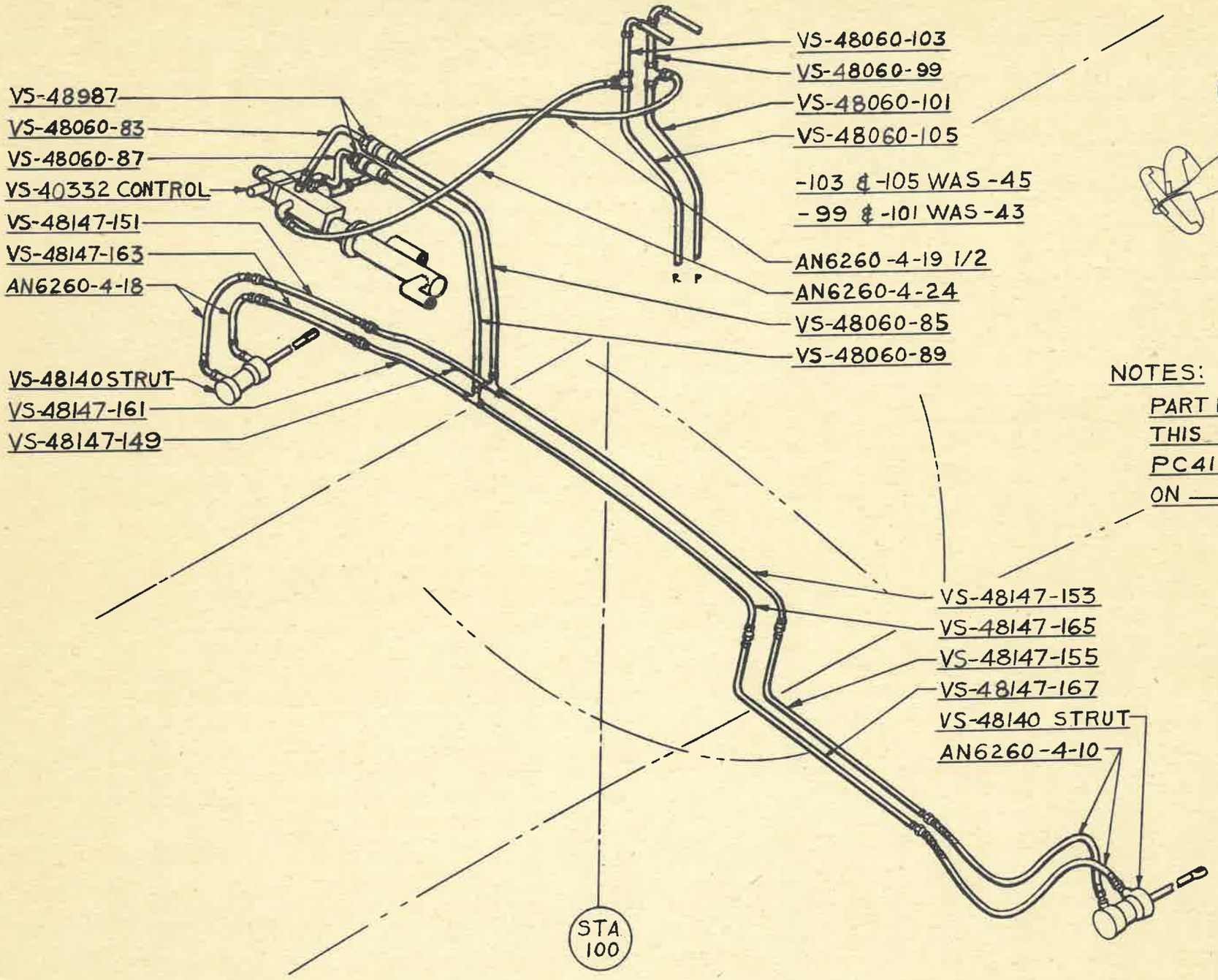
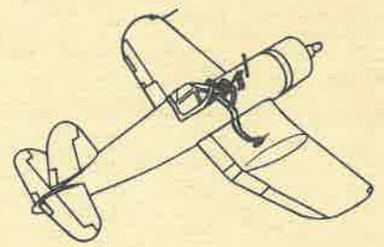
REVISIONS			
REV.	BY	GRP.	GOV'T.





NOTES:

PART NOS. CVS-11713, VS-40272 THIS SHEET INCORPORATES PC41661 & IS CHANGED ON ___ & SUB. AIRPLANES.

NAVY		
PROJ. ENGR.		4-26-45
PROD. ENGR.		
ENGR. CHECK		
ILLUS. SUPV.		4-26-45
CHECKED BY		4-26-45
DRAWN BY	B. CHOY	4-23-45
SCALE 1/6	SIZE 14X22	

HYDRAULIC INSTAL

CENTER SECTION

PC-41661

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS49998

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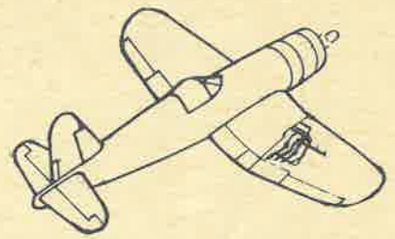
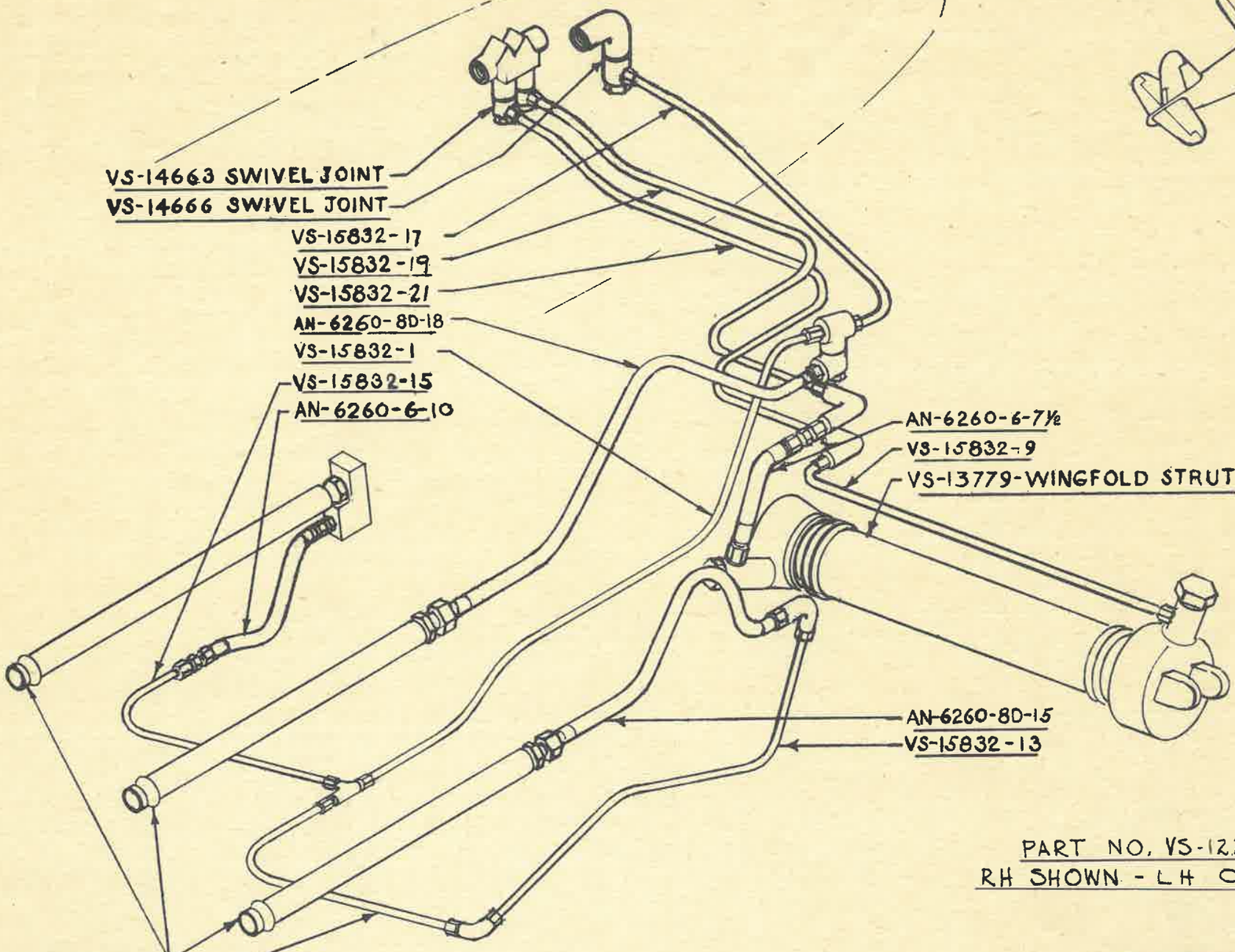
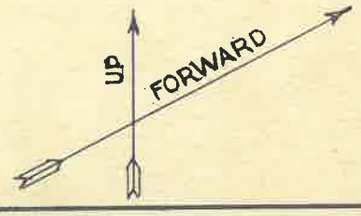
REVISIONS			
REV.	BY	APPD.	GOVT.
A	DEWITT		

TO CONFORM WITH LATEST DESIGN 1-26-45





PART NO. VS-12290
RH SHOWN - LH OPPOSITE



NAVY	[illegible] 8-4-44	
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	[illegible] 8-4	
GROUP ENG.	[illegible] 7-27	
CHECKED BY	ROW	7-25-44
DRAWN BY	HOWELL	7-19-44
SCALE	SIZE 11 X 17	

HYDRAULIC INSTAL

O. P. WING

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49992

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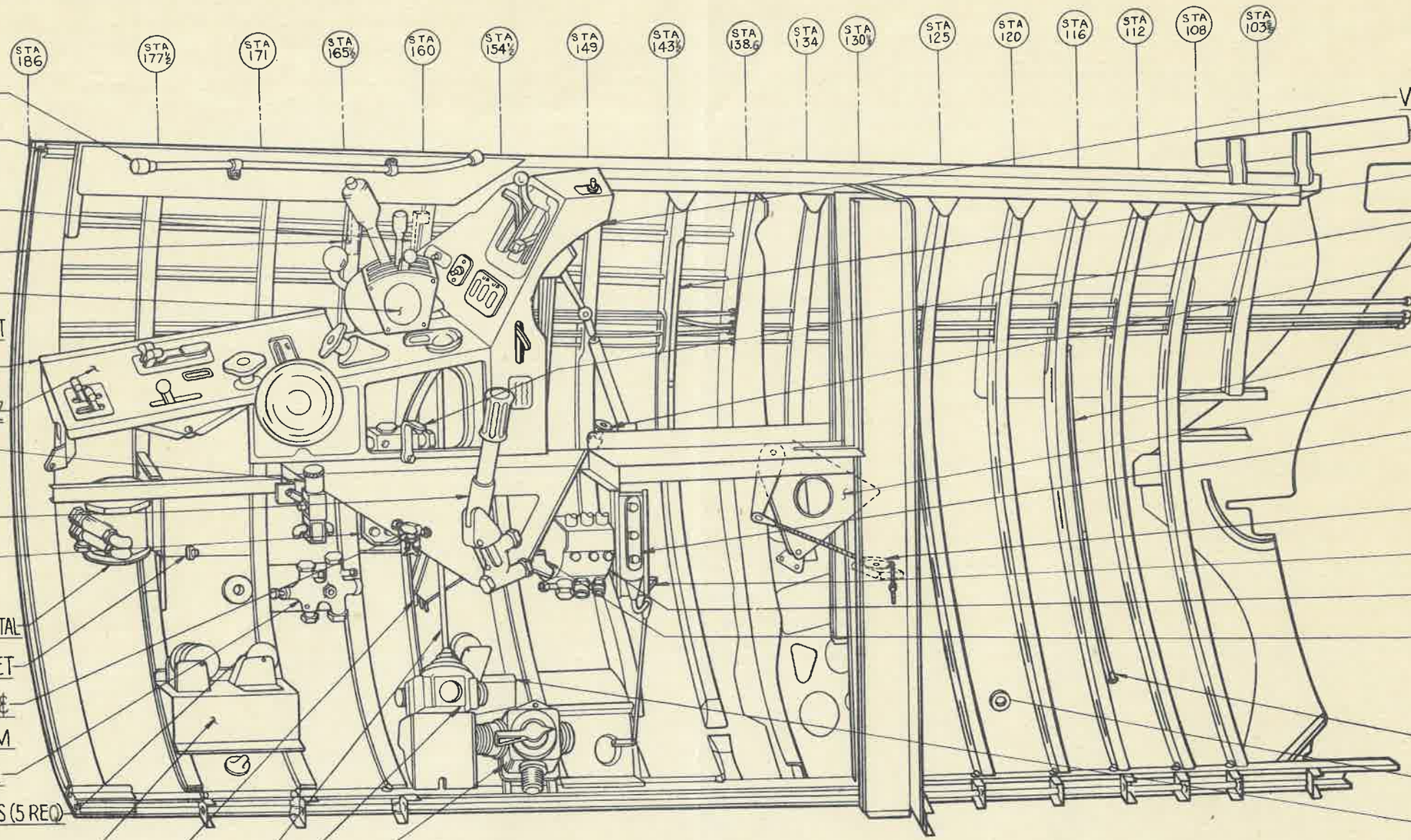
REVISIONS	
REV.	
D	TO CONFORM TO LATEST DESIGN



FORWARD

PART NO. VS-40231

STAGE 3

Ehrig	6-27-45	NAVY	C R B	2-10-44
		TOOL ENG.		
		PROD. ENG.	S K H	2-9-44
	6-27-45	PROJ. ENG.	J. R. C.	2-8-44
	6-27-45	GROUP ENG.	D. W. TODD	2-10-44
D. WITH	6-27-45	CHECKED BY		
BATES	6-25-45	DRAWN BY	BATES	6-25-45
		TRACED BY		
D		SCALE ¼	SIZE 22 x 34	

PANEL ASSEM

FUSELAGE FRONT SECTION
STAGES OF ASSEMBLY

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49231

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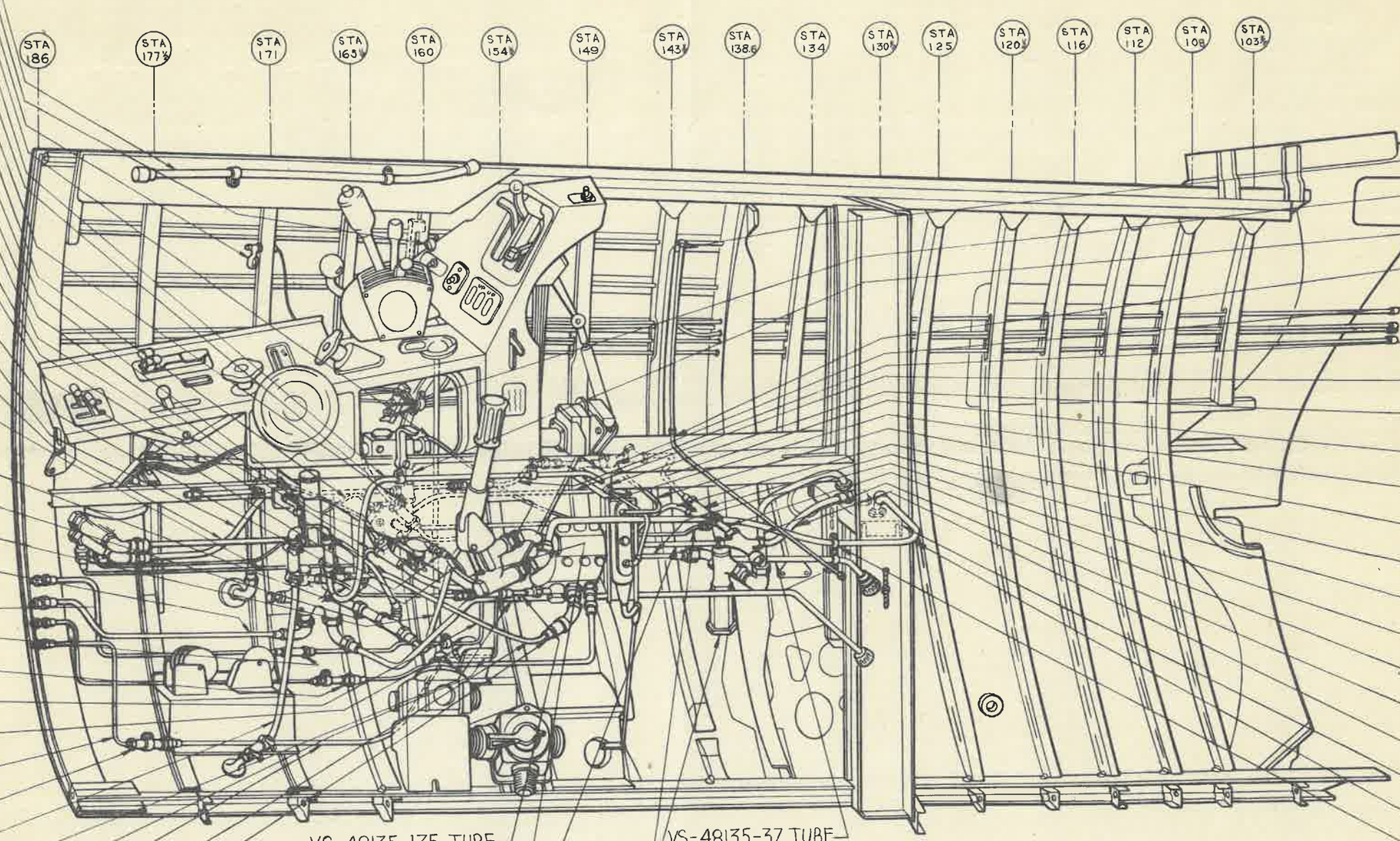
REVISIONS	
REV.	
A	REDRAWN TO CONFORM TO LATEST PRODUCTION PROCEDURE



VS-45056 TUBE
VS-44970 LIGHT
VS-44981 LIGHT
VS-48135-67 TUBE
VS-45367-5 TUBE
VS-48135-45 TUBE
VS-41261-3 TUBE
VS-48135-121 TUBE
VS-48028-29 TUBE
VS-48028-31 TUBE
VS-48028-27 TUBE
VS-48028-19 TUBE
VS-39294 RESTRICTOR
VS-48028-17 TUBE
VS-48135-117 TUBE
VS-48135-123 TUBE
VS-48135-119 TUBE

VS-48135-127 TUBE
VS-48135-151 TUBE
VS-48135-39 TUBE
VS-48135-33 TUBE
VS-48135-125 TUBE
VS-39261 FUSE
VS-39262-2 FUSE
VS-48135-129 TUBE
VS-48135-133 TUBE
VS-48135-139 TUBE
VS-39262-2 FUSE
VS-45367-7 TUBE
VS-48135-153 TUBE
VS-48135-131 TUBE
VS-48135-167 TUBE
VS-48135-29 TUBE
VS-39266-1 FUSE

VS-48135-135 TUBE
VS-48135-165 TUBE
VS-48135-149 TUBE

VS-48135-37 TUBE
VS-41202 FITTING
VS-48135-155 TUBE

VS-45100-3 TUBE
VS-43092 CONTROL
VS-41261-1 TUBE
VS-45100-5 TUBE
VS-48130-1 VALVE
VS-48135-21 TUBE
VS-48135-23 TUBE
VS-41203 FITTING
VS-48135-47 TUBE
VS-48135-103 TUBE
VS-48135-9 TUBE
VS-48135-49 TUBE
VS-13951 ADAPTER
VS-48135-15 TUBE
VS-48135-11 TUBE
VS-41261-11 TUBE
VS-41261-13 TUBE
VS-41283 BRACKET
VS-41261-15 TUBE
VS-48966 SUPPORT

FORWARD

PART NO. VS-40231
STAGE 4

	6-14-45	NAVY	C R B	5-1-45
		TOOL ENG.		
		PROD. ENG.		
	6-14-45	PROJ. ENG.	SCHWING	4-30-45
	6-14-45	GROUP ENG.	D.W. TODD	4-30-45
DeWitt	6-14-45	CHECKED BY	DEWITT	4-28-45
BATES	6-14-45	DRAWN BY	BATES	6-14-45
		TRACED BY		
A		SCALE ¼ APPROX	SIZE 22 × 34	

PANEL ASSEM

FUSELAGE FRONT SECTION L.H.
STAGES OF ASSEM

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49231

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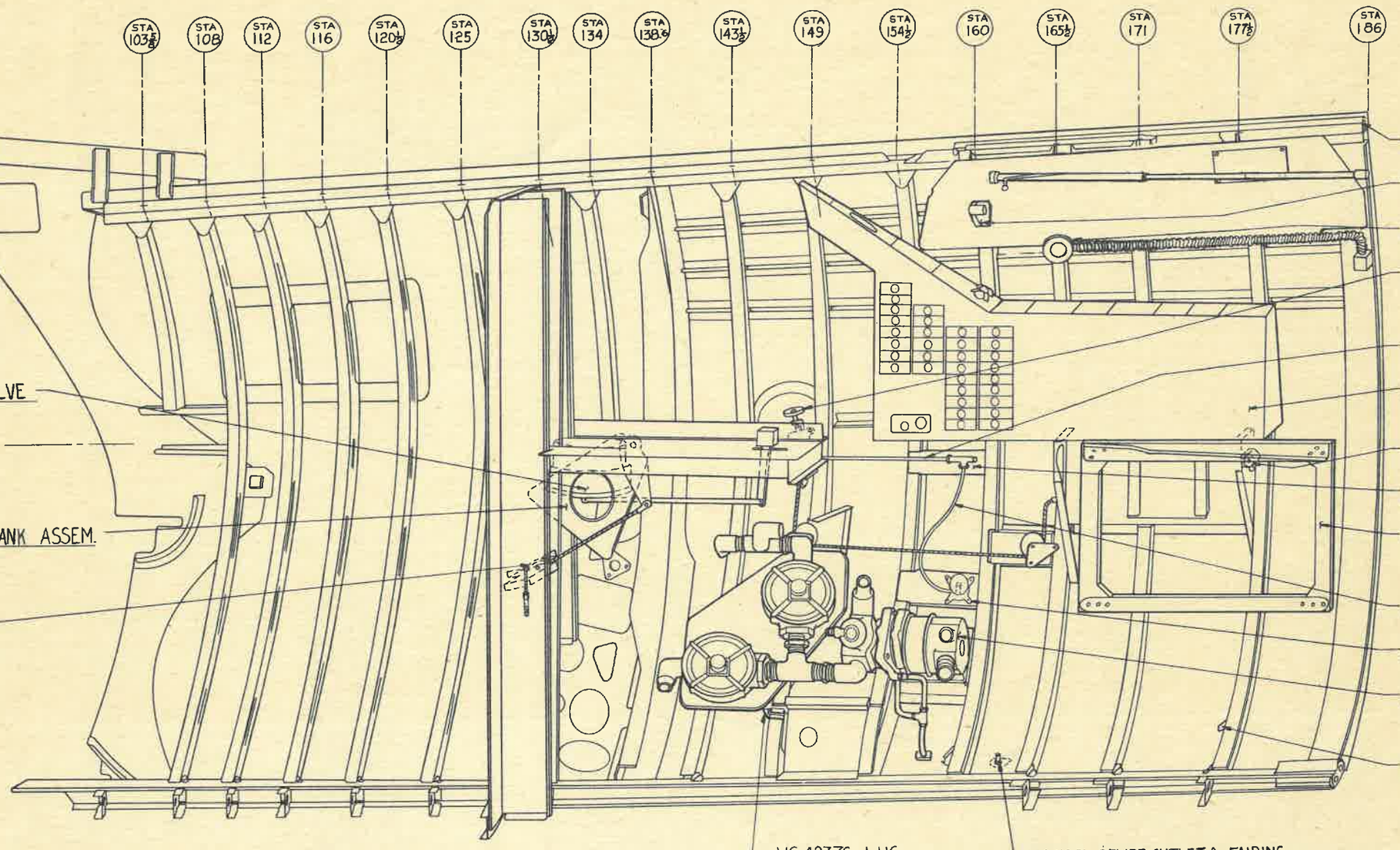
REVISIONS	
REV	
C	CHANGED TO CONFORM TO LATEST DESIGN



FORWARD

PART NO. VS-40232

STAGE -3

		NAVY	C.R.B	2-10-44
		TOOL ENG.		
		PROD. ENG.	S.K.H.	2-9-44
	4-26-45	PROJ. ENG.	J.R.C.	2-8-44
	4-26-45	GROUP ENG.	D.W.TODD	2-10-44
	4-26-45	CHECKED BY		
STADEWICZ	4-24-45	DRAWN BY	STADEWICZ	5-21-44
		TRACED BY		
C		SCALE APPROX. 1/4"=1"	SIZE 22X34	

PANEL ASSEMBLY

FUSELAGE FRONT SECTION R.H.

STAGES OF ASSEMBLY

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49232

SHEET NO. 3

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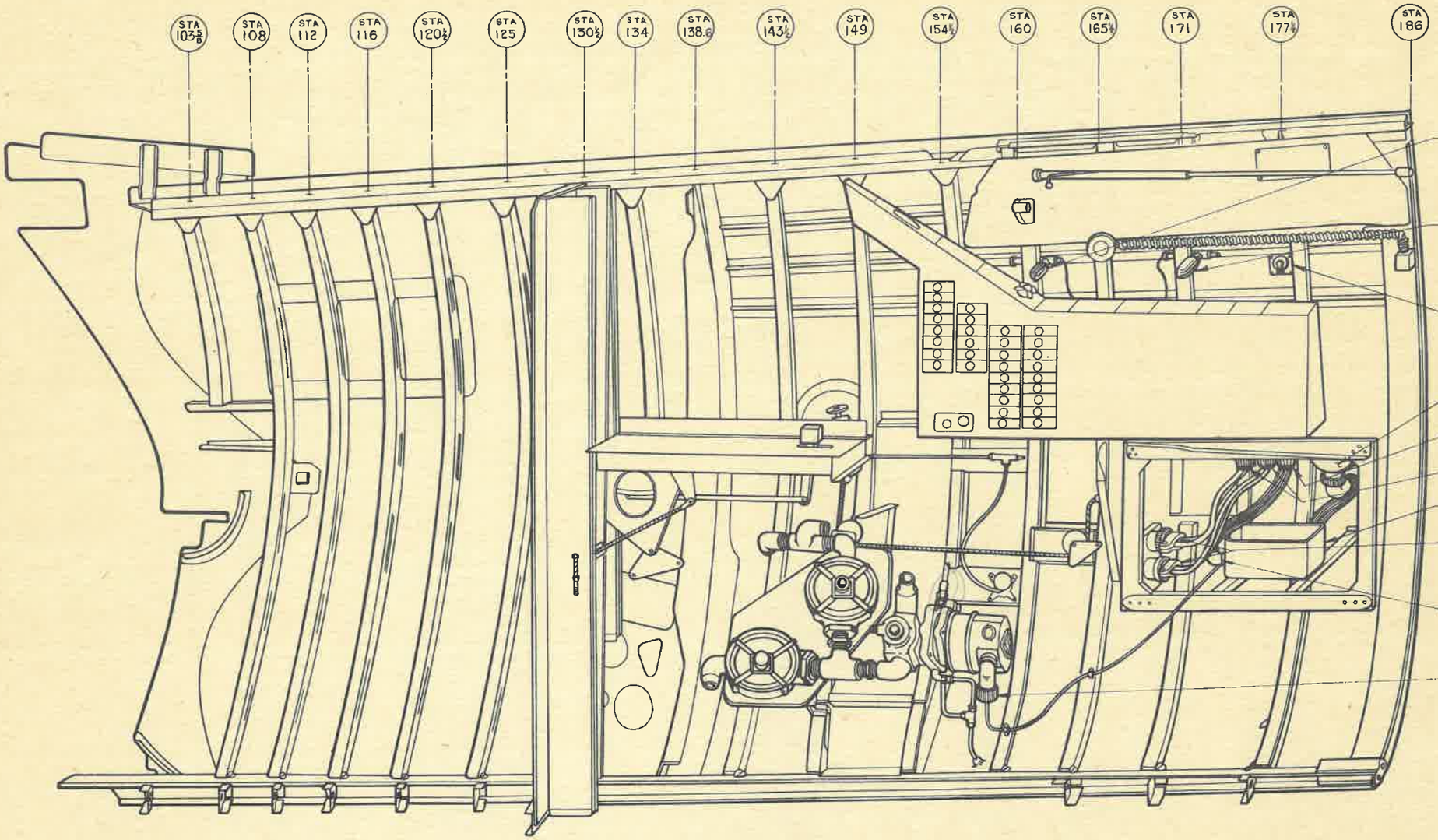
REVISIONS			
REV.	BY	ENG.	GOV'T



FORWARD

PART NO. VS-40232

STAGE -4

NAVY		
TOOL ENG.		
PROD. ENG.		
PROJ. ENG.		4-30-45
GROUP ENG.		4-30-45
CHECKED BY	Dewitt	4-28-45
DRAWN BY	BATES	4-26-45
TRACED BY		
SCALE ¼ APPROX	SIZE 22 x 34	

PANEL ASSEM

FUSELAGE FRONT SECTION
STAGES OF ASSEM

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4·VS-49232

SHEET # 4

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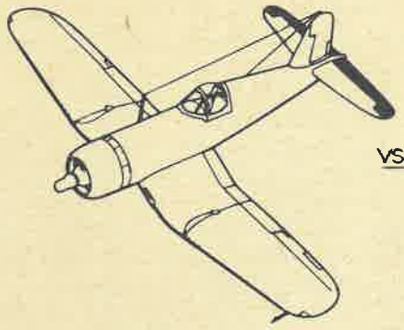
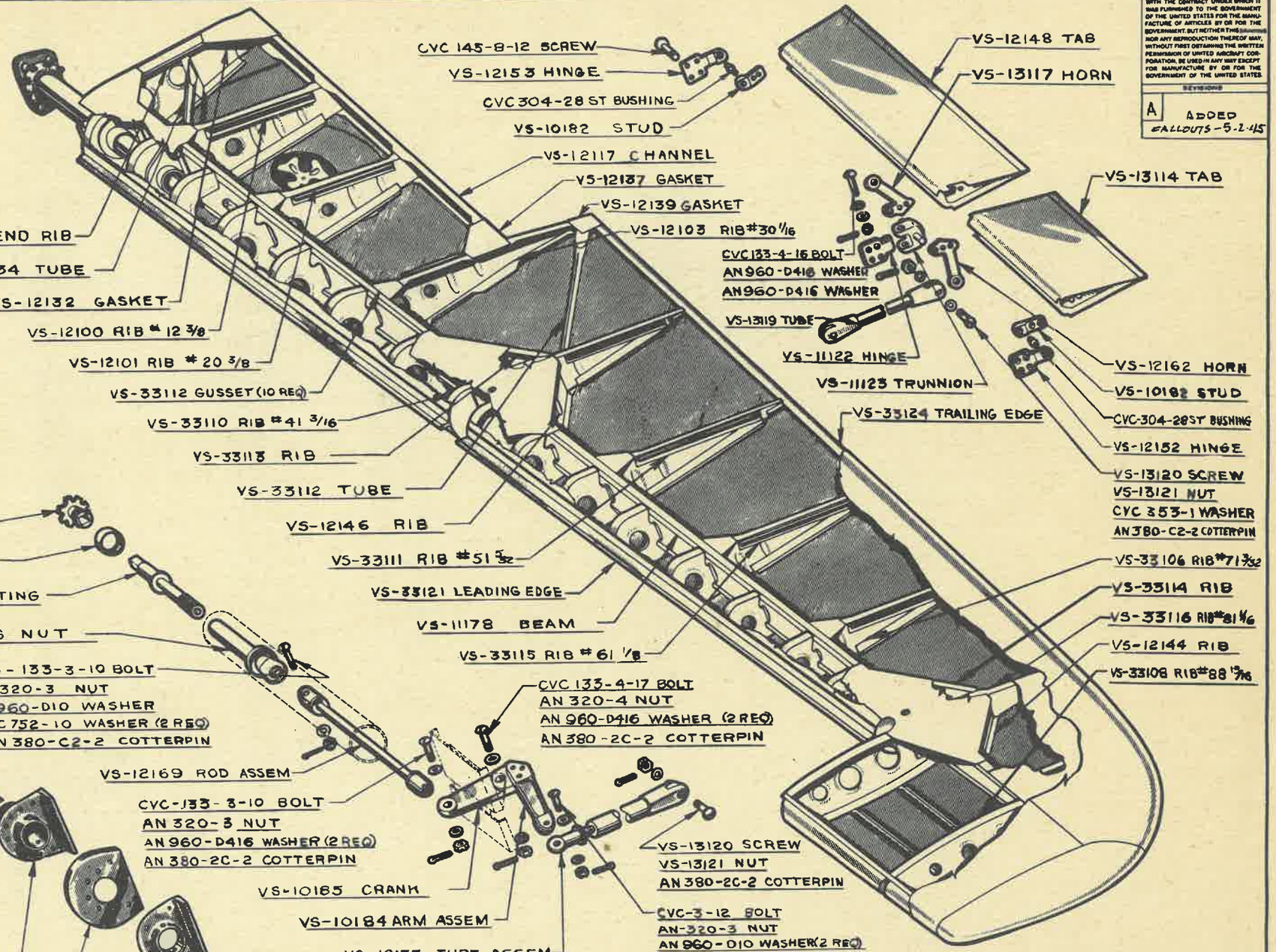
REVISIONS

A	ADDED CALLOUTS	5-2-45





VS-12109 END RIB
VS-12134 TUBE
VS-12132 GASKET
VS-12100 RIB # 12 3/8
VS-12101 RIB # 20 3/8
VS-33112 GUSSET (10 REQ)
VS-33110 RIB # 41 3/16
VS-33113 RIB
VS-33112 TUBE
VS-12146 RIB
VS-33111 RIB # 51 5/32
VS-33121 LEADING EDGE
VS-11178 BEAM
VS-33115 RIB # 61 1/8
CVC 145-8-12 SCREW
VS-12153 HINGE
CVC 304-28 ST BUSHING
VS-10182 STUD
VS-12117 CHANNEL
VS-12137 GASKET
VS-12139 GASKET
VS-12103 RIB # 30 1/16
VS-12148 TAB
VS-13117 HORN
VS-13114 TAB
CVC 133-4-16 BOLT
AN 960-D416 WASHER
AN 960-D416 WASHER
VS-13119 TUBE
VS-11122 HINGE
VS-11123 TRUNNION
VS-33124 TRAILING EDGE
VS-12162 HORN
VS-10182 STUD
CVC-304-28 ST BUSHING
VS-12152 HINGE
VS-13120 SCREW
VS-13121 NUT
CVC 353-1 WASHER
AN 380-C2-2 COTTERPIN
VS-33106 RIB # 71 3/32
VS-33114 RIB
VS-33116 RIB # 81 1/16
VS-12144 RIB
VS-33108 RIB # 88 3/16
VS-11129 NUT
VS-12195 FITTING
VS-23153 END FITTING
VS-12196 SPROCKET
VS-12195 FITTING
VS-12111 FITTING
VS-12166 NUT
CVC-133-3-10 BOLT
AN 320-3 NUT
AN960-D10 WASHER
CVC 752-10 WASHER (2 REQ)
AN 380-C2-2 COTTERPIN
VS-12123 TUBE (REF)
VS-12178 SNAP RING
VS-12177 NUT
VS-12176 TRUNNION
VS-12126 RIB # 7 11/16
CVC-133-3-5A BOLT
CVC-1099-53 NUT
VS-23145 WASHER
AN960-D10 WASHER
VS-12125 SOCKET
VS-12127 RIB # 12 3/32
VS-12124-2 SOCKET
VS-12123 TUBE
VS-12169 ROD ASSEM
CVC-133-3-10 BOLT
AN 320-3 NUT
AN 960-D416 WASHER (2 REQ)
AN 380-2C-2 COTTERPIN
VS-10185 CRANK
VS-10184 ARM ASSEM
VS-12173 TUBE ASSEM
CVC 133-4-17 BOLT
AN 320-4 NUT
AN 960-D416 WASHER (2 REQ)
AN 380-2C-2 COTTERPIN
VS-13120 SCREW
VS-13121 NUT
AN 380-2C-2 COTTERPIN
CVC-3-12 BOLT
AN-320-3 NUT
AN 960-D10 WASHER (2 REQ)
AN 380-2C-2 COTTER

ELEVATOR ASSEM
PART NO. VS-33109

		NAVY		
		TOOL ENG.		
		PROD. ENG.		
	5-4-45	PROJ. ENG.	Clark	4-4
	5-4-45	GROUP ENG.	Gratell	4-24
DEWITT	5-3-45	CHECKED BY	Mone	3/16/45
BATES	5-2-45	DRAWN BY	DEWITT	4-21-45
		TRACED BY		
A		SCALE APPROX 1/8	SIZE 11 x 17	

ELEVATOR ASSEM
TAIL GROUP

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-1 · VS-18109

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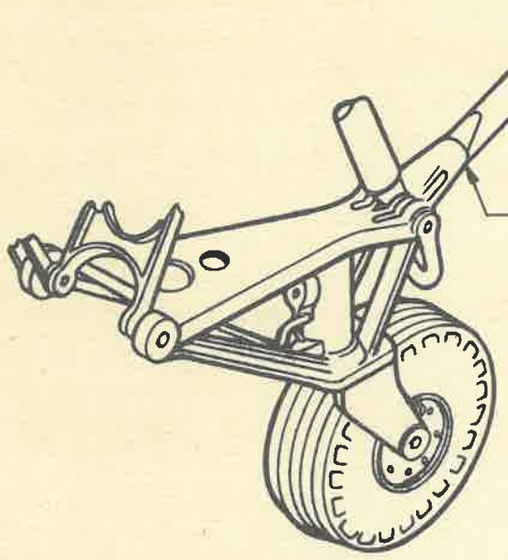
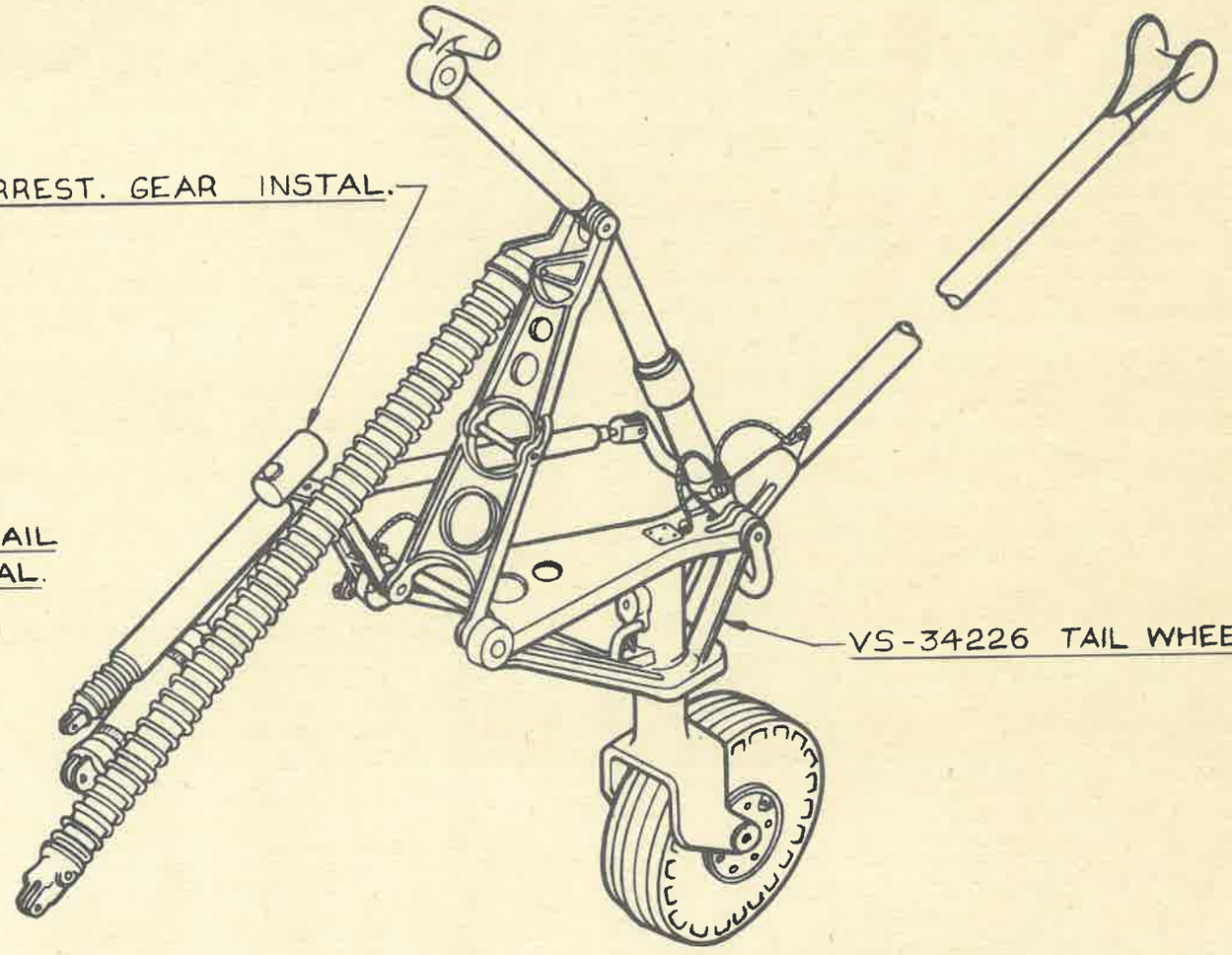
REVISIONS	
REV.	
C	REDRAWN TO CONFORM TO VS-34226 CH'G H

VS-10420 ARREST. GEAR INSTAL.



VS-23226 TAIL WHEEL INSTAL.

OLD F4U-1



VS-34226 TAIL WHEEL INSTAL

NEW F4U-1 & F4U-4

		DRFT	C.A.B	11-26-45
	4-20-45	PROJ. ENGR.	CLARK	11-19-45
		PROD. ENGR.		
		ENGR. CHECK		
PATTOSCI	4-20-45	ILLUS. SUPV.	DW. TODD	11-29-45
	4-30-45	CHECKED BY	E.H.	11-19-45
SEADEWICK	4-20-45	DRAWN BY	SEADEWICK	4-20-45
C		SCALE 1/10	SIZE 11 X 17	

TAIL WHEEL & ARRESTING GEAR INSTALLATION

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-1 · ENGINEERING ILLUSTRATION · VS-18215

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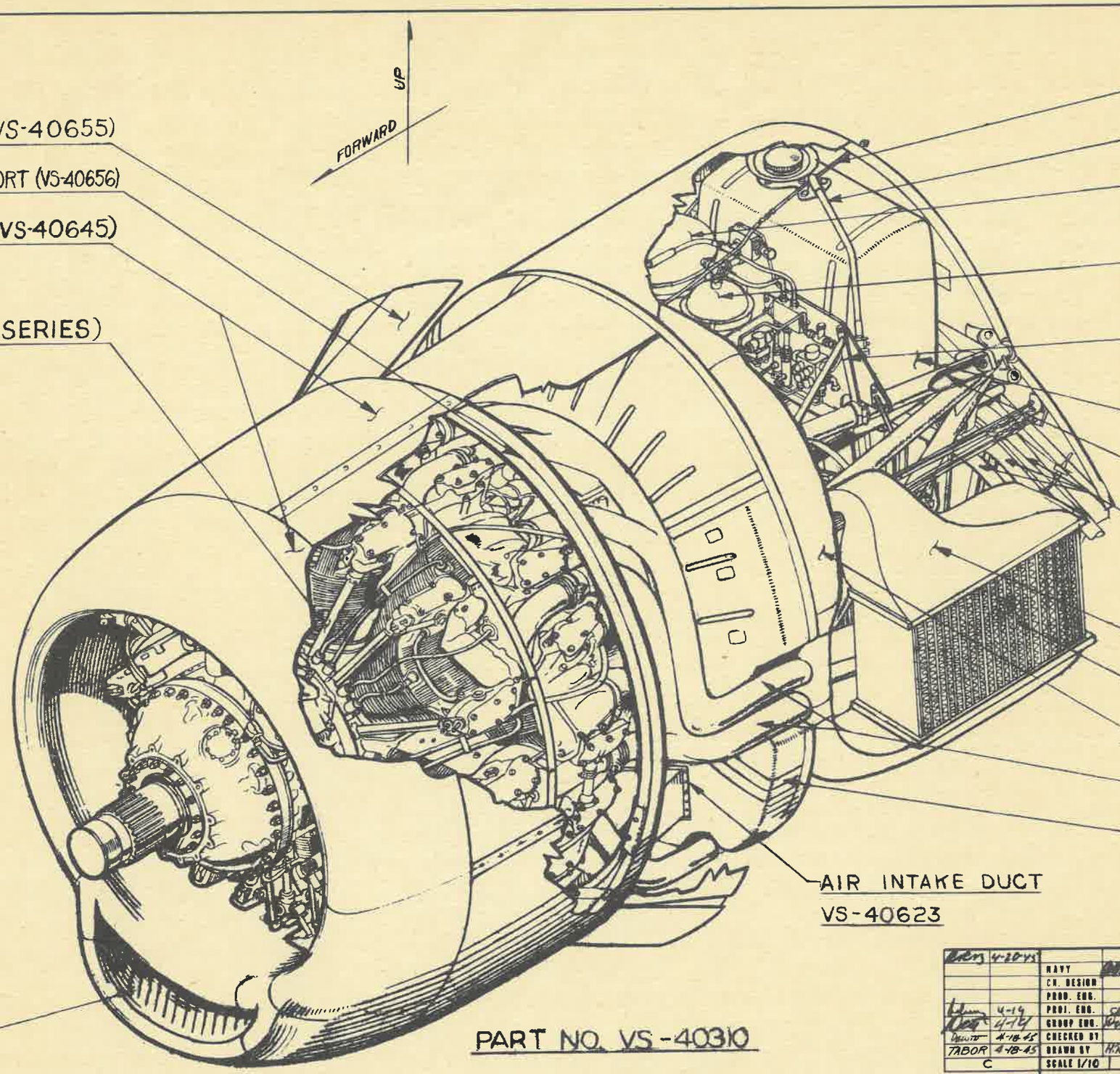
REVISIONS			
REV.	BY	ENG.	GOVT.
A	NELSON	ELS	
	TO CONFORM TO LATEST DESIGN		
B	GATES		
	TO CONFORM TO LATEST DESIGN		
C	CHG'D TO AGREE WITH VS-40310 CHG F		



COWL FLAPS (VS-40655)

COWL FLAP SUPPORT (VS-40656)

ENGINE COWL (VS-40645)

R-2800-18W-(C-SERIES) ENGINE

AUX STAGE AIR INTAKE

VAPOR RETURN

OILVENT (VS-40307-1)

HYD RESERVOIR VS-48088

HYD ACCUMULATOR VS-12281

PANEL & BRKT ASSEM VS-48001

OIL TANK (VS-43306)

ENGINE MOUNT (VS-40640)

LUBRICATING SYSTEM VS-40307

INTERCOOLER DUCT (VS-40338)

INTERCOOLER (VS-40395)

INTERMEDIATE DUCT (VS-40340)

EXHAUST COLLECTOR (VS-40315)

DIAPHRAGM (VS-40385)

AIR INTAKE DUCT VS-40623

PART NO. VS-40310

	4-20-45			
		NAVY		3-28-44
		CH. DESIGN		
		PROD. ENG.		
	4-19	PROJ. ENG.		3-25
	4-19	GROUP ENG.		3-25-44
	4-18-45	CHECKED BY		
TABOR	4-18-45	DRAWN BY	H.R. WELD	3-22-44
C		SCALE 1/10	SIZE 14 X 28	

POWER PLANT
REMOVABLE UNIT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS.49310

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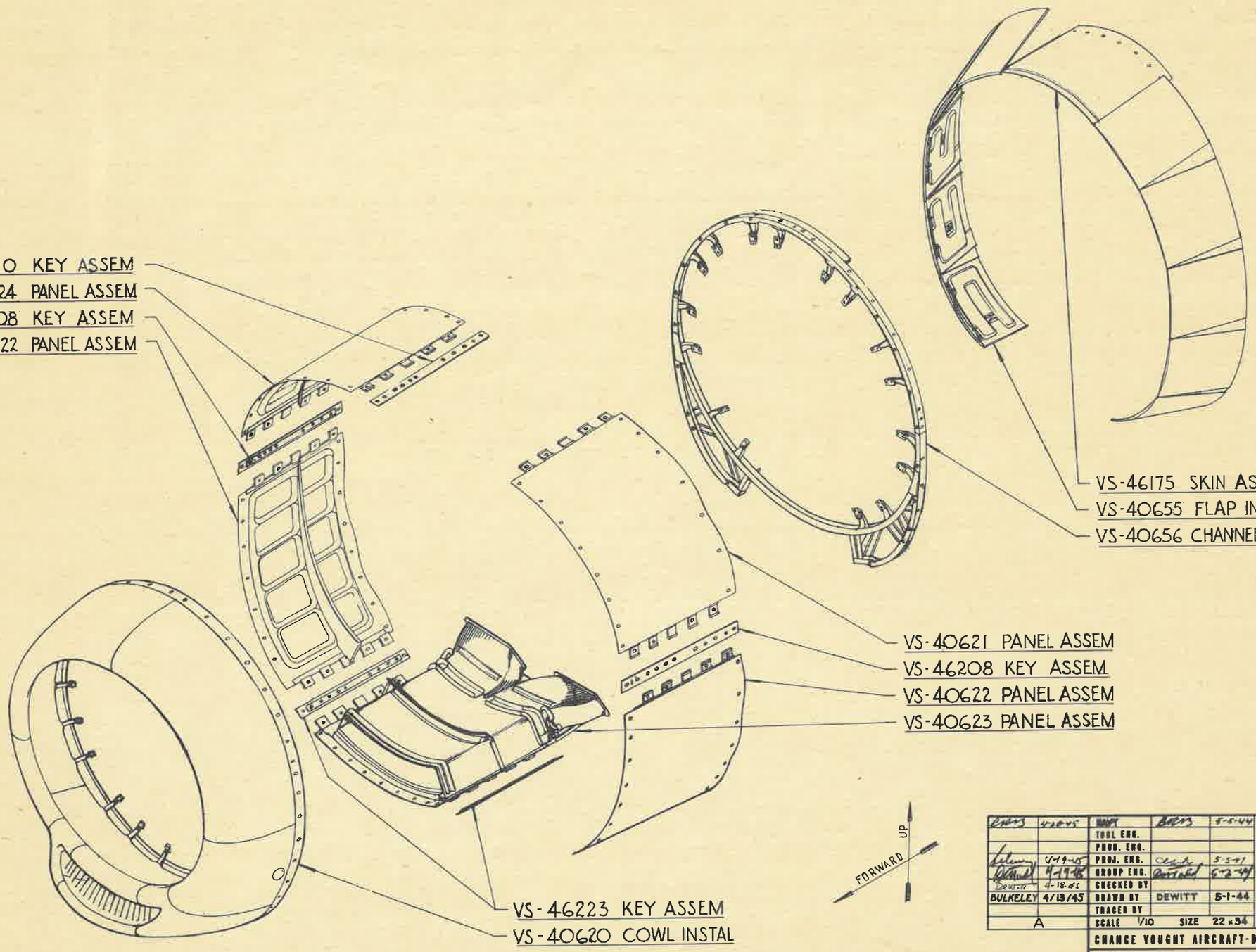
REVISIONS	
REV.	
A	1. ADDED HINGE PINS TO VS-40655
Z	ADDED PC-42715



	4-20-45	MFG.		5-5-44
		TOOL ENG.		
		PROD. ENG.		
	4-19-45	PROJ. ENG.		5-5-44
	4-19-45	GROUP ENG.		6-2-44
	4-18-45	CHECKED BY		
BULKELEY	4/13/45	DRAWN BY	DEWITT	5-1-44
		TRACED BY		
A		SCALE 1/10	SIZE 22×34	

COWLING
POWER SECTION MAJOR ITEMS

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49685

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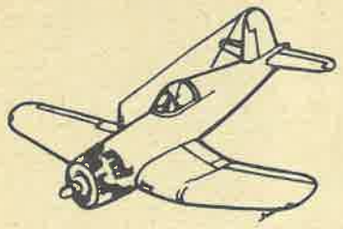
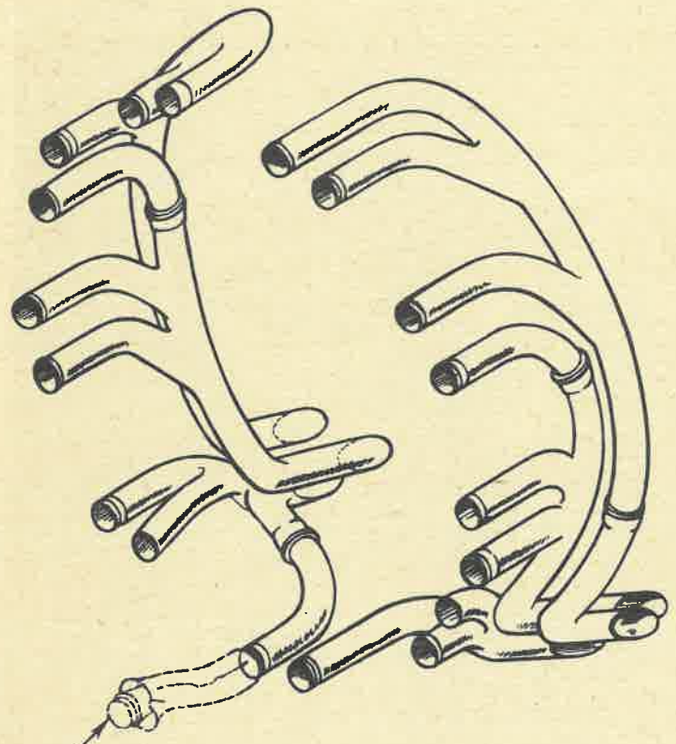
REVISIONS			
REV.	BY	ENG.	CONT
A	H.WELD		
PIPE AND JACKET FROM ADDED			
DATE 1-9-45			
B	HOWELL		
CONFORM TO LINES			
DESIGN 5-29-44			
C			
ADDED CALLOUTS 5-2-45			





PIPE (REFERENCE) GOV'T FURNISHED

VS-40315-1 SECTION
ASSEM UPPER R H

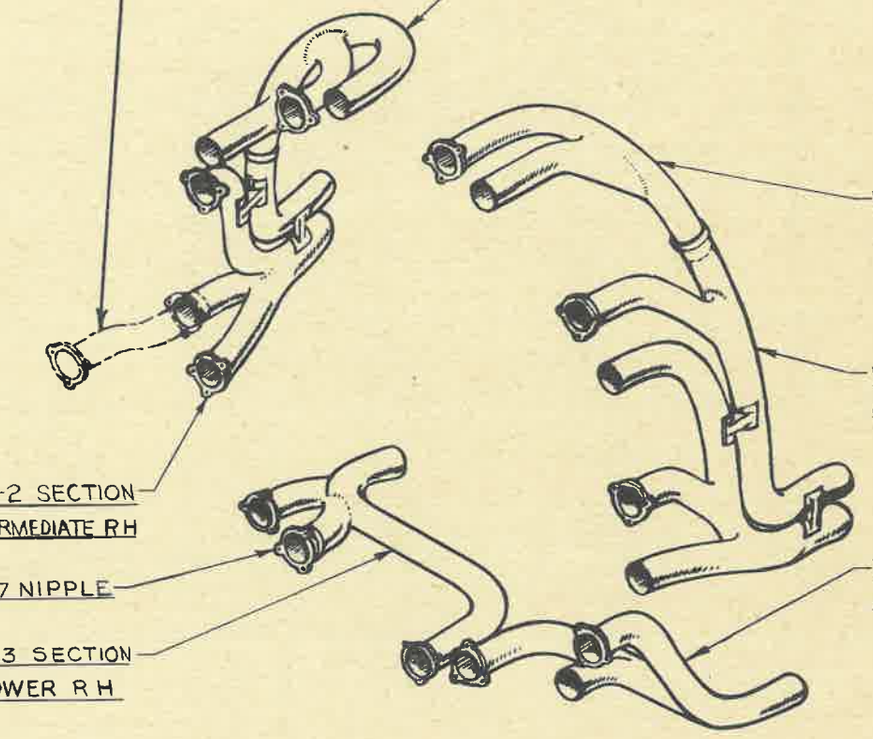
VS-40315-2 SECTION
ASSEM INTERMEDIATE RH

VS-40315-7 NIPPLE

VS-40315-3 SECTION
ASSEM LOWER R H

PIPE AND JACKET (REFERENCE) GOV'T FURNISHED

F4U-1
VS-34315

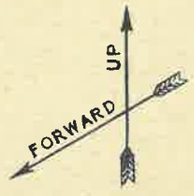


VS-40315-6 SECTION
ASSEM UPPER L H

VS-40315-5 SECTION
ASSEM INTERMEDIATE L H

VS-40315-4 SECTION
ASSEM LOWER L.H.

F4U-4
VS-40315



	5-4-45	CH. DESIGN			
		WAVE ENG.			
		PROD. ENG.			
	5-4-45	PROJ. ENG.	Clark	11-23-45	
	5-4-45	GROUP ENG.			
DEWITT	5-3-45	CHECKED BY			
BATES	5-2-45	DRAWN BY	H.R.WELD	11-25-45	
		TRACED BY			
	C	SCALE 1/10	14" X 22"		

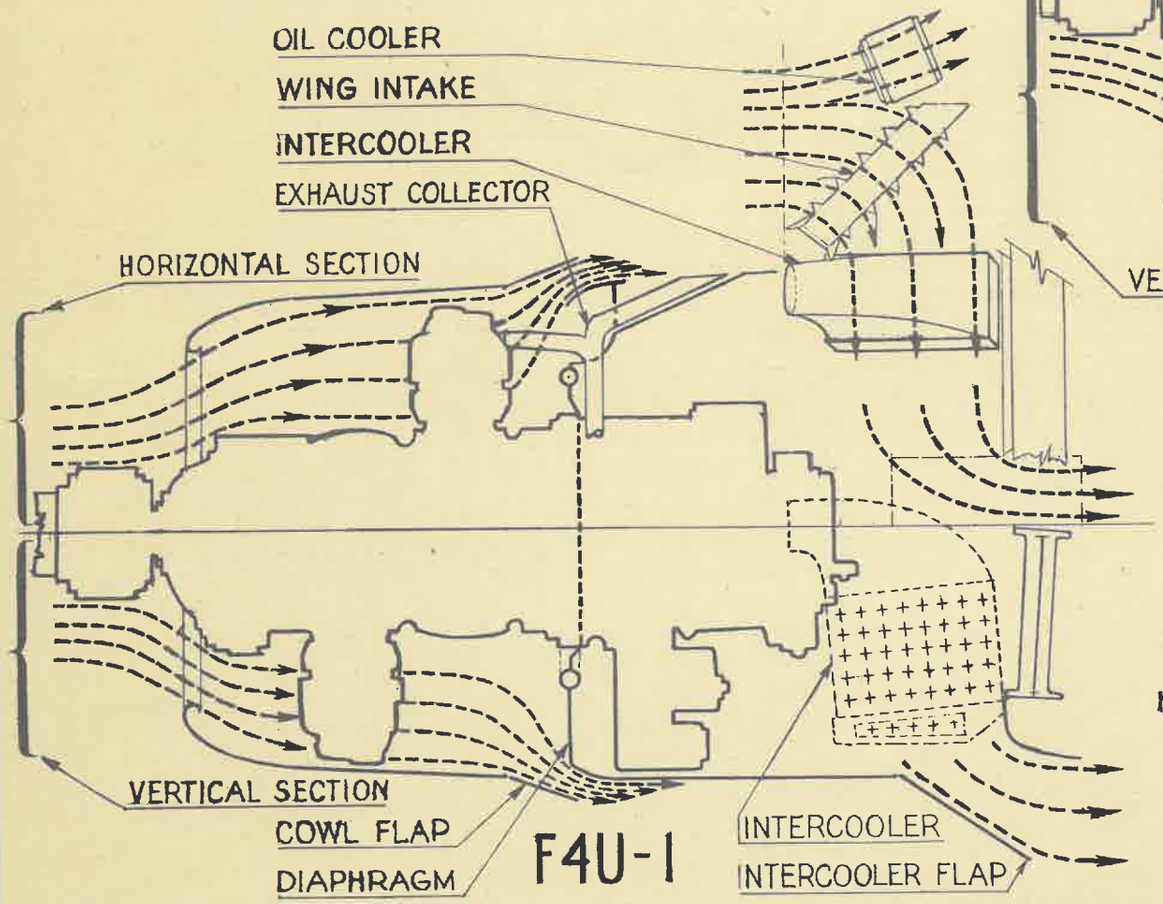
EXHAUST COLLECTOR

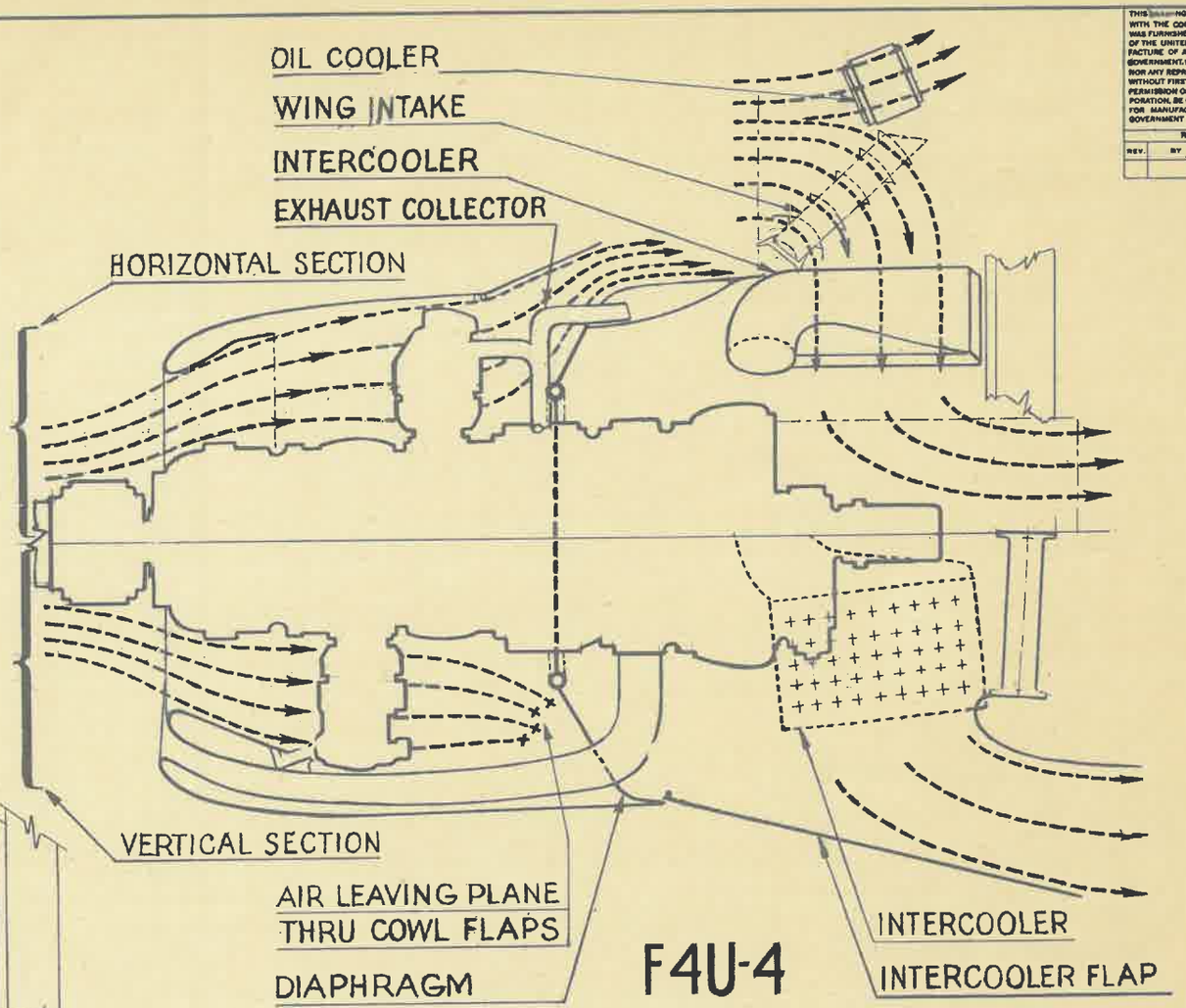
CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49028

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV.	BY	ENG.	GOV'T.





FORWARD

NOTE (FOR BOTH PLANES)
ENGINE COOLING-AIR CONTROLLED BY COWL FLAPS
INTERCOOLER COOLING-AIR CONTROLLED BY INTERCOOLER FLAP.

CH. DESIGN			
NAVY	[illegible]	6-[illegible]-44	
PROD. ENG.			
PROJ. ENG.	[illegible]	6-[illegible]	
GROUP ENG.	[illegible]	5-27-44	
CHECKED BY			
DRAWN BY	H.R. WELD	3/3/44	
TRACED BY			
SCALE 1/10	SIZE 14 X 22		

FLOW DIAGRAM
POWER PLANT COOLING-AIR

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49309

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REVISIONS			
REV.	BY	APP.	GOV'T.
B	CUNLEY		

REDRAWN WITH CHANGES - C.B. 11-44

C BATES

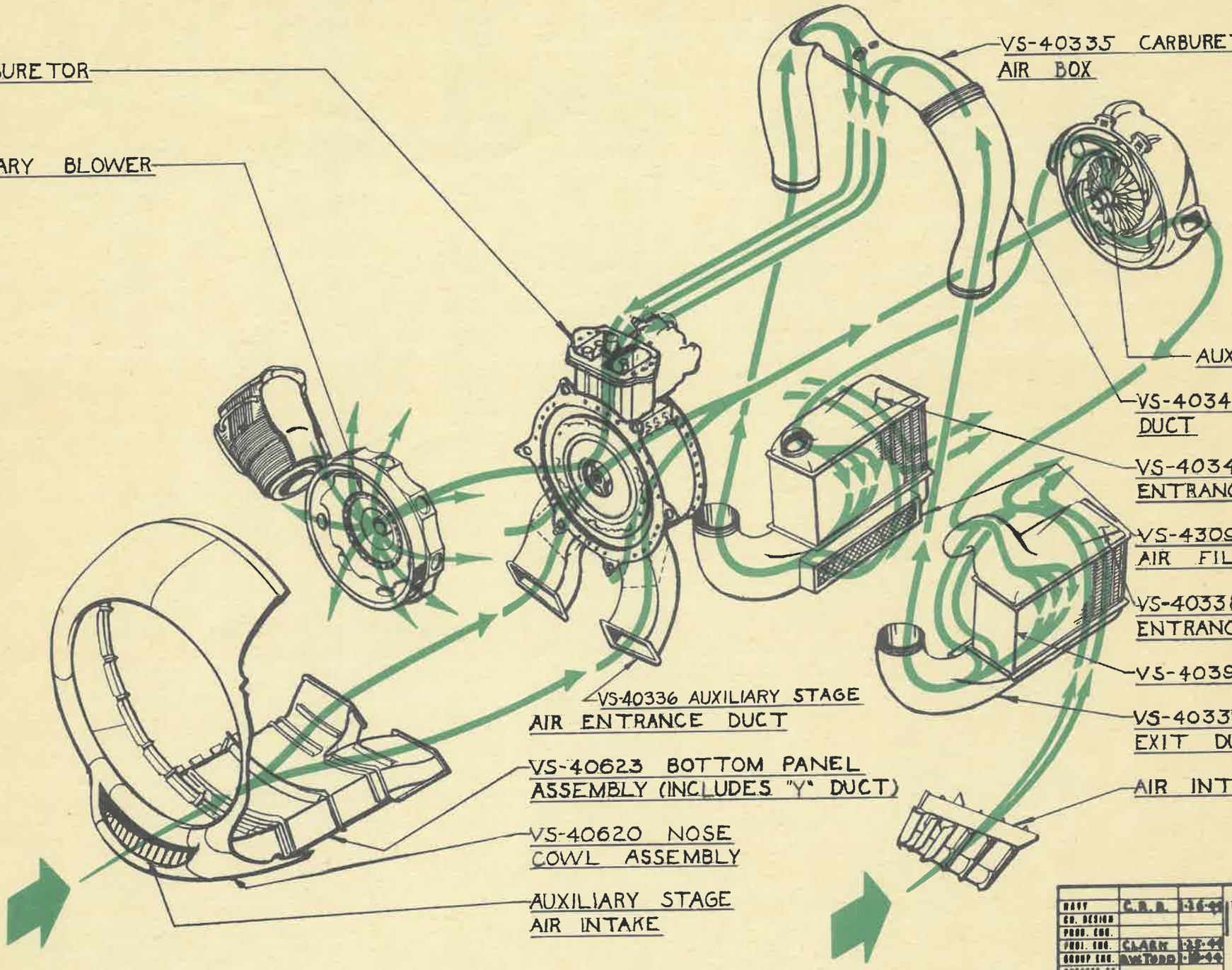
TO CONFORM TO LATEST DESIGN

D TABOR

CHECKED | GROUP ENG.

DESIGN | C. Jones 1-20

CHG'D LINES. REMOVED ALT'N AIR INTAKE 5-19-45



NAVY	C.B.B.	1-16-45
CO. DESIGN		
PROD. ENG.		
PROJ. ENG.	CLARK	1-25-45
GROUP ENG.	A.W. TODD	1-[illegible]-45
CHECKED BY		
DRAWN BY	DUGLEY	1-26-45
SCALE NONE SIZE 11 X 17		

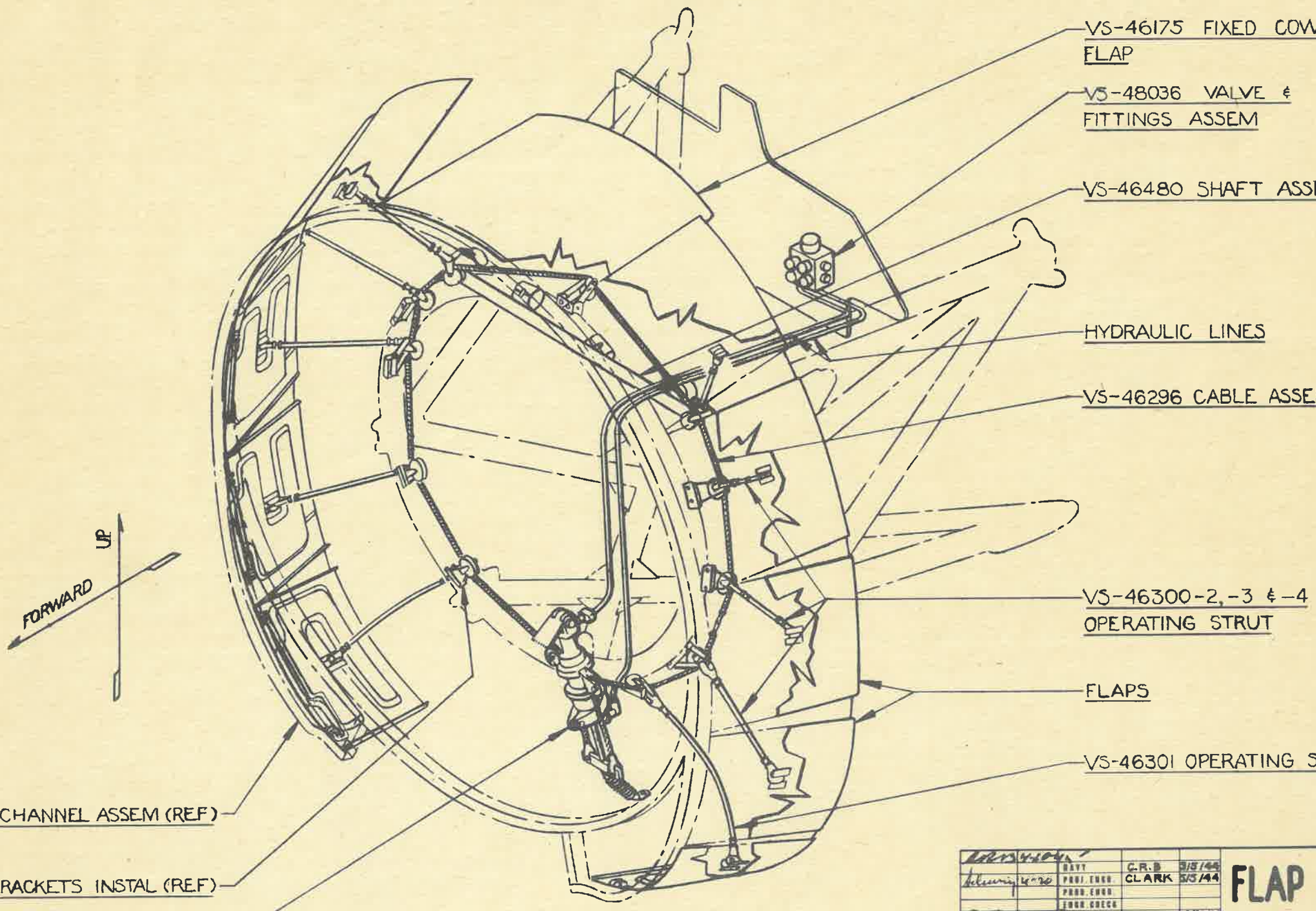
INDUCTION SYSTEM
R-2800-18W ENGINE

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL-F4U-4 VS-49302

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF VOUGHT AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

B	1. REDRAWN TO CONFORM TO LATEST DESIGN 2. ADDED HINGE PINS TO VS-40655



PART NO. VS-40655

DRAWN	C.R.B	3/15/44	
PROJ. ENGR.	CLARK	3/15/44	
PROD. ENGR.			
ENGR. CHECK			
ILLUS. SUPV.	D.W. TODD	4/2/44	
CHECKED BY			
DRAWN BY	BURKELEY	4/17/45	
SCALE 1/10	SIZE 11 X 17		

FLAP CONTROL

ENGINE SECTION

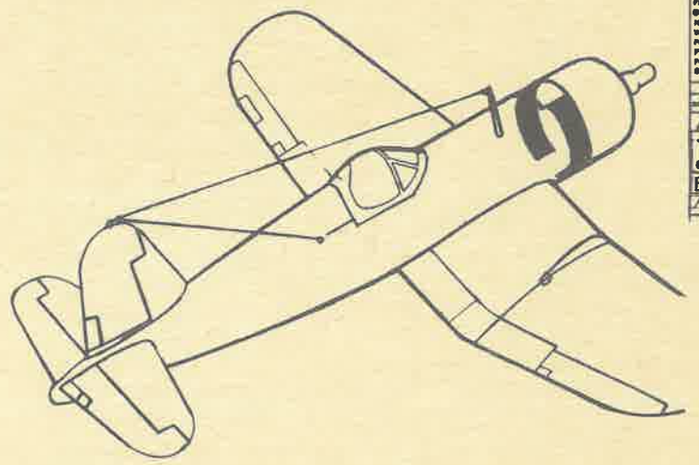
COWL

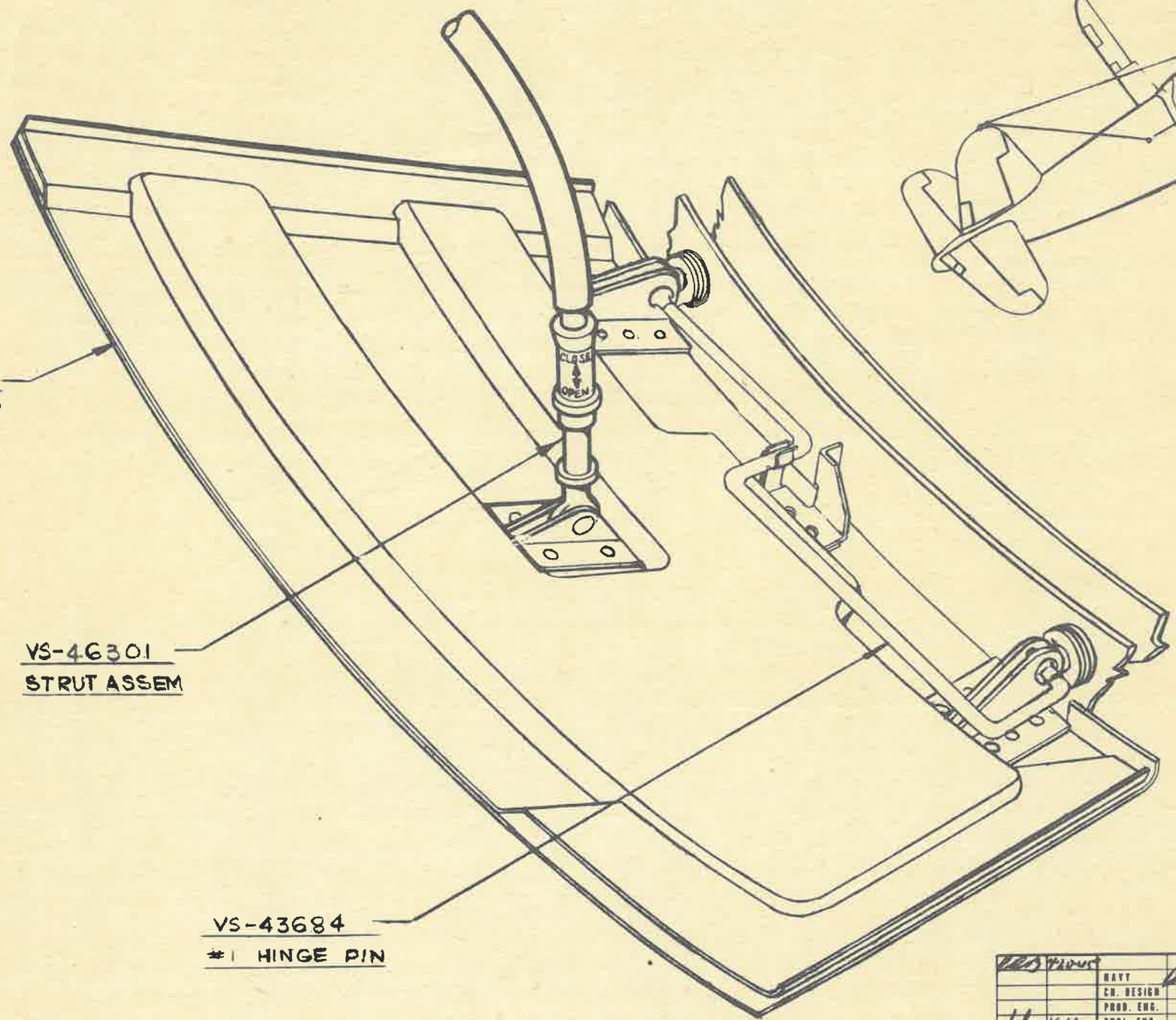
CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49657

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV.	BY	CHG.	
A	BATES		
	TO CONFORM TO LATEST DESIGN 1-5-45		
B	1. ADDED STOP AND CLIP TO DRWG.		





VS-43701
#1 COWL FLAP

VS-46301
STRUT ASSEM

VS-43684
#1 HINGE PIN

		NAVY		
		CH. DESIGN		
		PROD. ENG.		
	V-T-P	PROJ. ENG.		
		GROUP ENG.		6-12
DEWITT	8-18-45	CHECKED BY		6-10-44
BURKELEY	4/18/45	DRAWN BY	PALMIERI	6-10-44
		SCALE	SIZE 11 x 17	

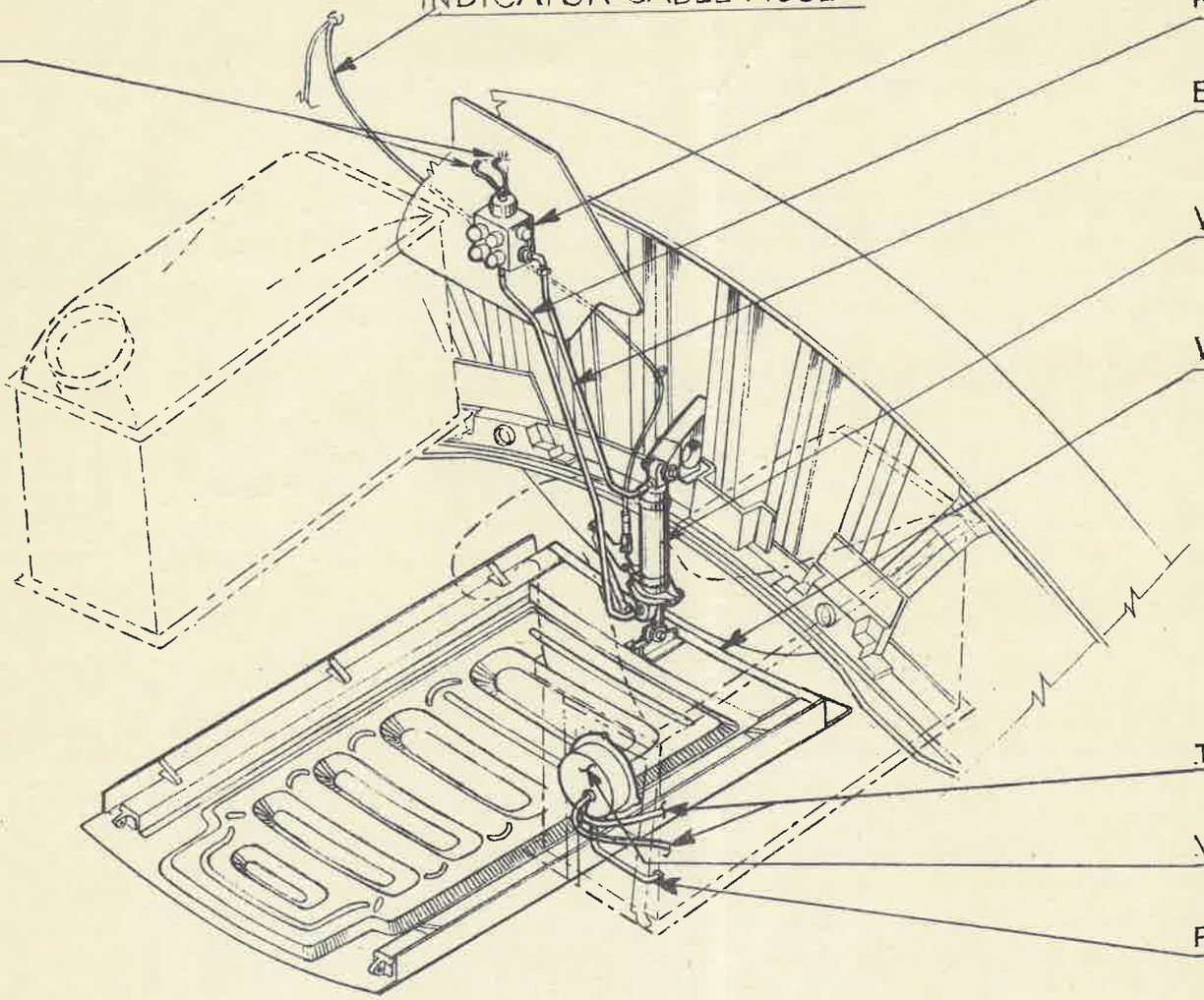
FLAP CONTROL
ENGINEERING SECTION QUICK DISCONNECT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49690

THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS		
REV.		
A	CHNGD DRWG TO CONFORM TO VS-40323 REV. E	



		NAVY		5-5-44
		CH. DESIGN		
		PROD. ENG.		
	6-24-45	PROJ. ENG.		4-24
	6-20-45	GROUP ENG.		4-18-44
	6-20-45	CHECKED BY		
BULKELEY	6/19/45	DRAWN BY	H.R.WELD	4-18-44
A		SCALE 1/10	SIZE II X 17	

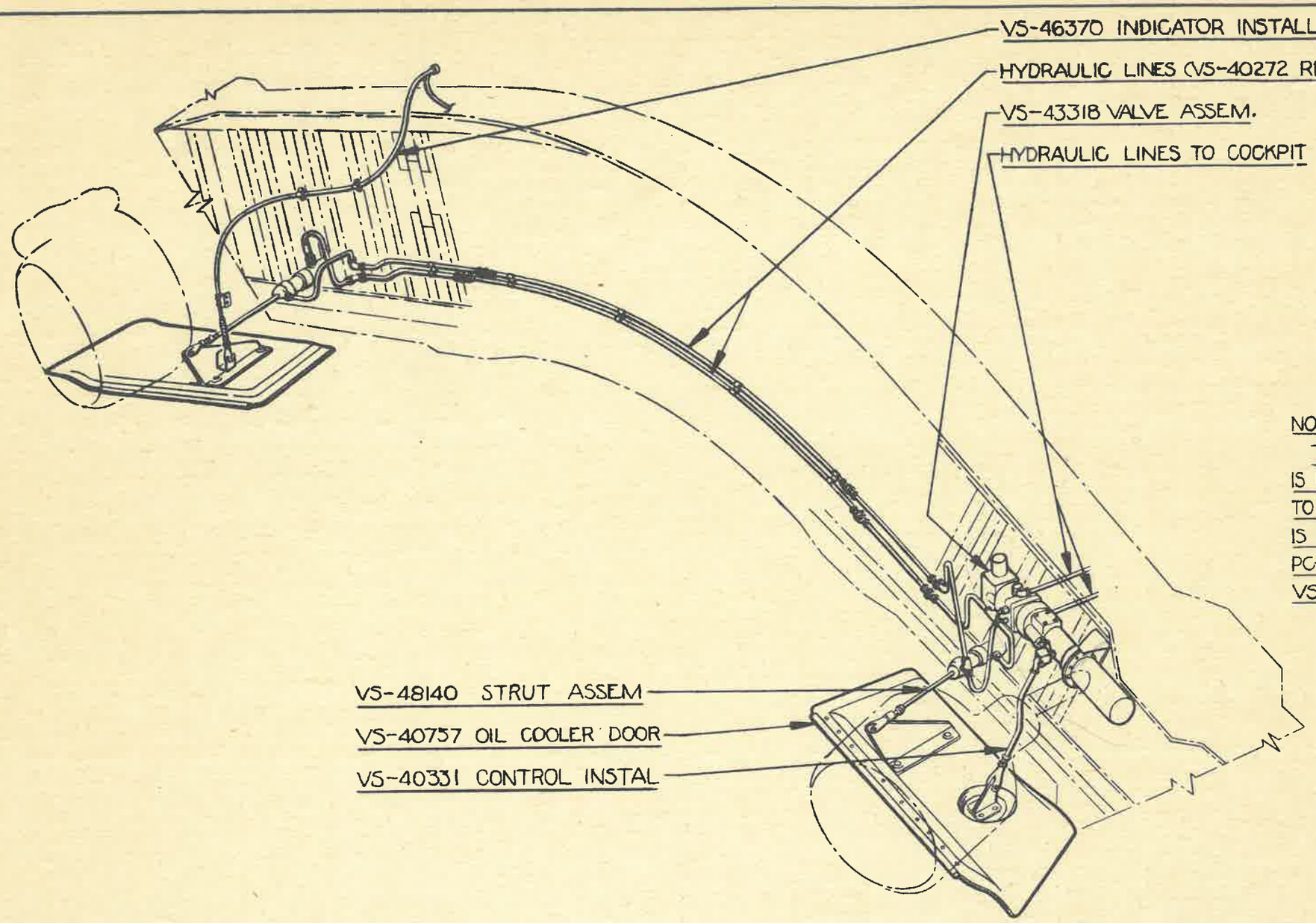
FLAP CONTROL

INTERCOOLER ENG ACCESS.COMPT

AUTOMATIC

CHANCE VOUGHT · AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49330



THIS DRAWING MAY BE USED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT, BUT WITHOUT THIS STATEMENT AND ANY REPRODUCTION THEREOF MADE, WITHOUT PRIOR WRITTEN CONSENT FROM CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS	
LTR.	REDRAWN TO CON.
A	FORM TO LATEST
DESIGN.	4-27-45

NOTES:
THIS INSTALLATION IS USED ON F4U-4 1ST TO ____ INCL. ONLY & IS REPLACED BY PC-41661. SEE VS-49758

ENGR.	5-1-45			
		NAVY		
		PROJ. ENGR.	CLARK	4-24
		PROD. ENGR.		
		ENGR. CHECK		
		ILLUS. SUPV.	D.W. TODD	4-17
		CHECKED BY		
		DRAWN BY	H.R. WELD	4-17
		SCALE 1/10	SIZE 11X17	

FLAP CONTROL
OIL COOLER AUTOMATIC

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION
MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49757

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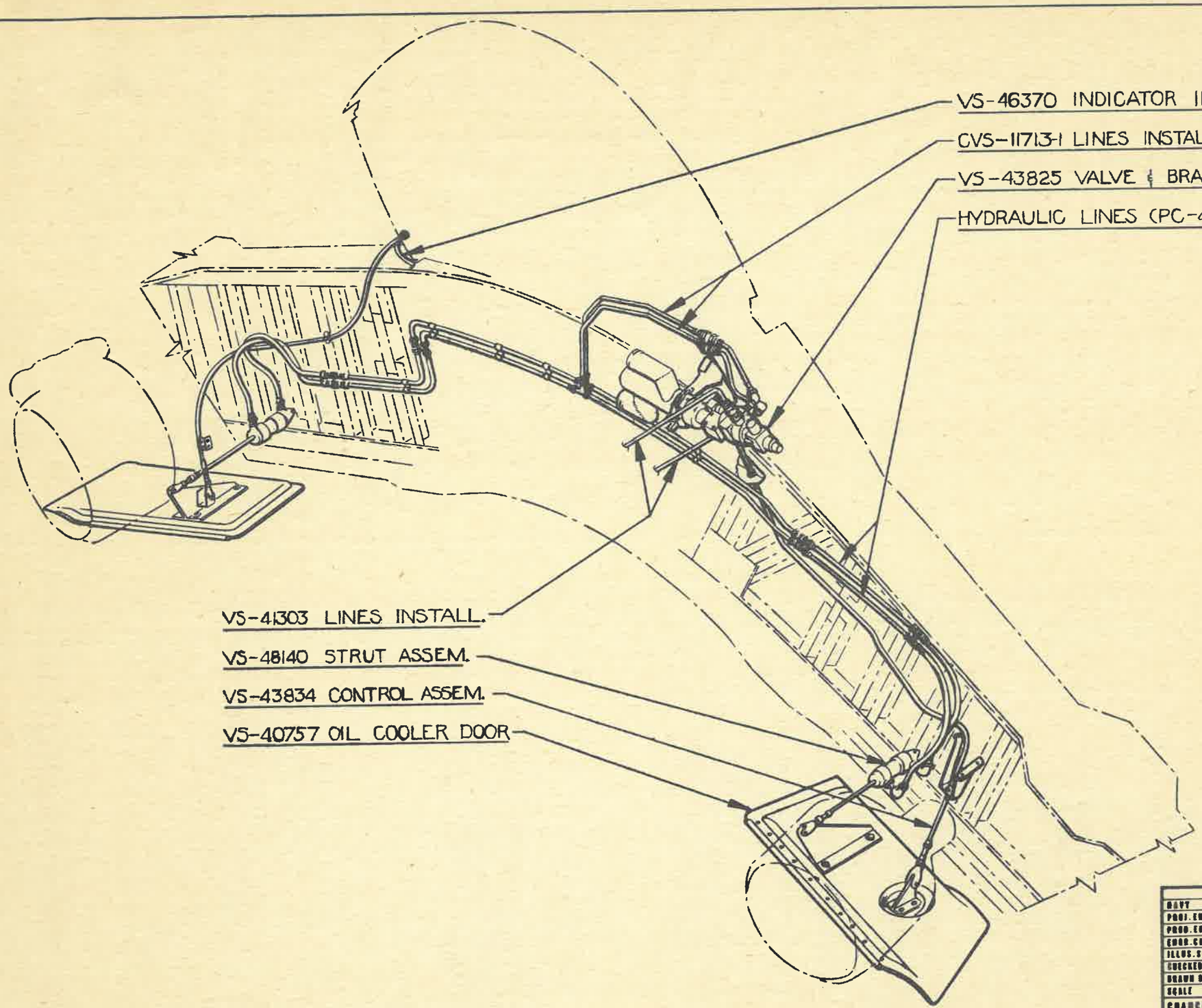
REVISIONS			
NO.	BY	APPR.	GOVT.



VS-46370 INDICATOR INSTALL.
CVS-11713-1 LINES INSTALL.
VS-43825 VALVE & BRACKET ASSEM.
HYDRAULIC LINES (PC-41661 REF.)
VS-41303 LINES INSTALL.
VS-48140 STRUT ASSEM.
VS-43834 CONTROL ASSEM.
VS-40757 OIL COOLER DOOR

NOTES:
THIS INSTALLATION IS USED ON F4U-4 _____ & SUBS. & INCORPORATES PC-41661.

DRFT		5-7-45
PROJ. ENGR.		4-30-45
PROD. ENGR.		
ENGR. CHECK		
ILLUS. SUPV.		4-30-45
CHECKED BY	DENTIT	4-24-45
DRAWN BY	BARKELEY	4-24-45

SCALE 1/10 SIZE 11 X 17

FLAP CONTROL
OIL COOLER AUTOMATIC

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

MODEL F4U-4 · ENGINEERING ILLUSTRATION · VS-49758

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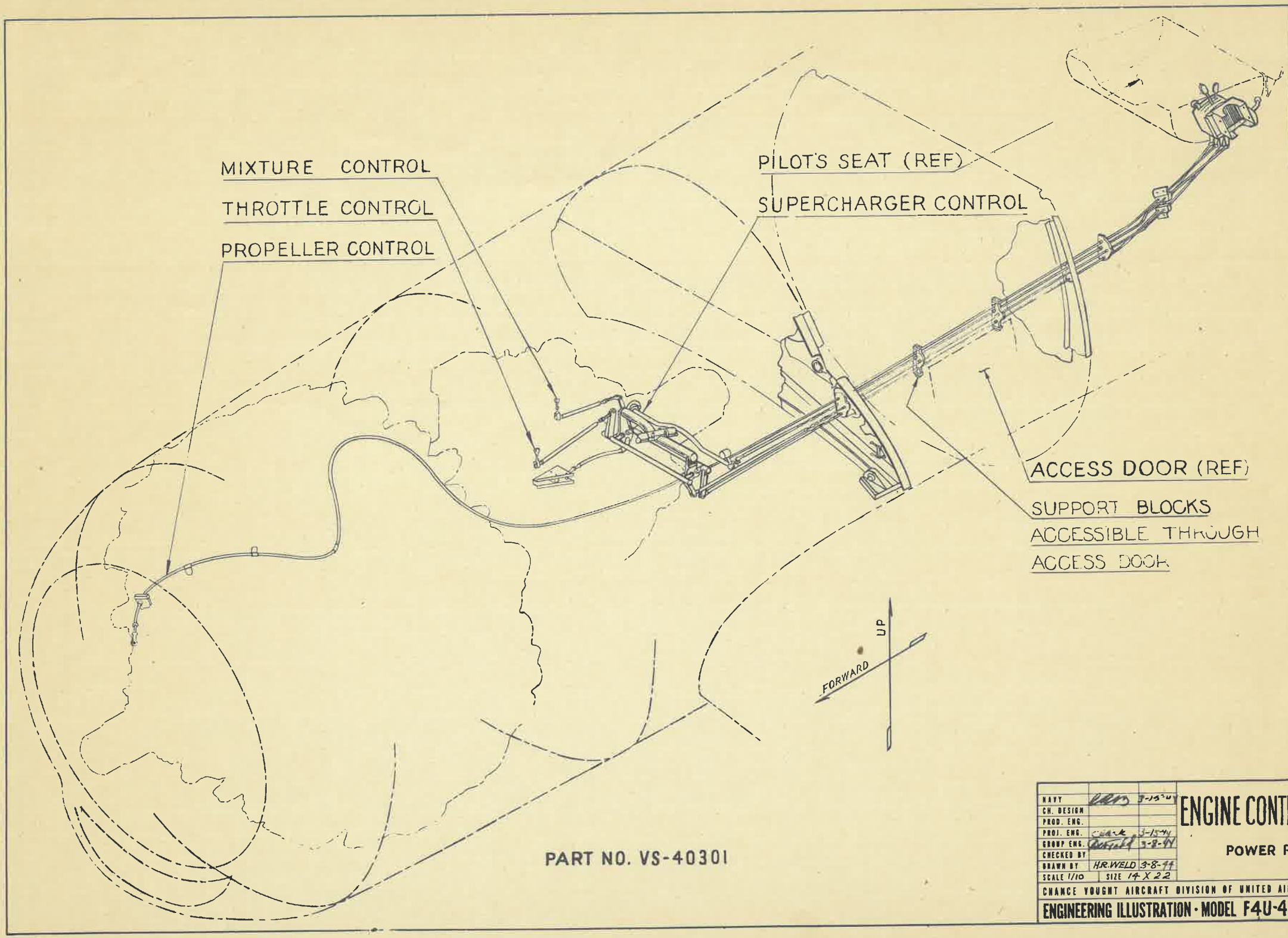
REVISIONS			
REV.	BY	ENG.	APVT.
A	CAFFEY CLARK		
	TO CONFORM TO LATEST DESIGN 6-13-44		
B	BATES		
	TO CONFORM TO LATEST DESIGN 1-2-45		



PART NO. VS-40301

NAVY		3-13-44
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	CLARK	3-15-44
GROUP ENG.	[illegible]	3-8-44
CHECKED BY		
DRAWN BY	H.R. WELD	3-8-44
SCALE 1/10	SIZE 14 X 22	

ENGINE CONTROLS INSTAL

POWER PLANT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49301

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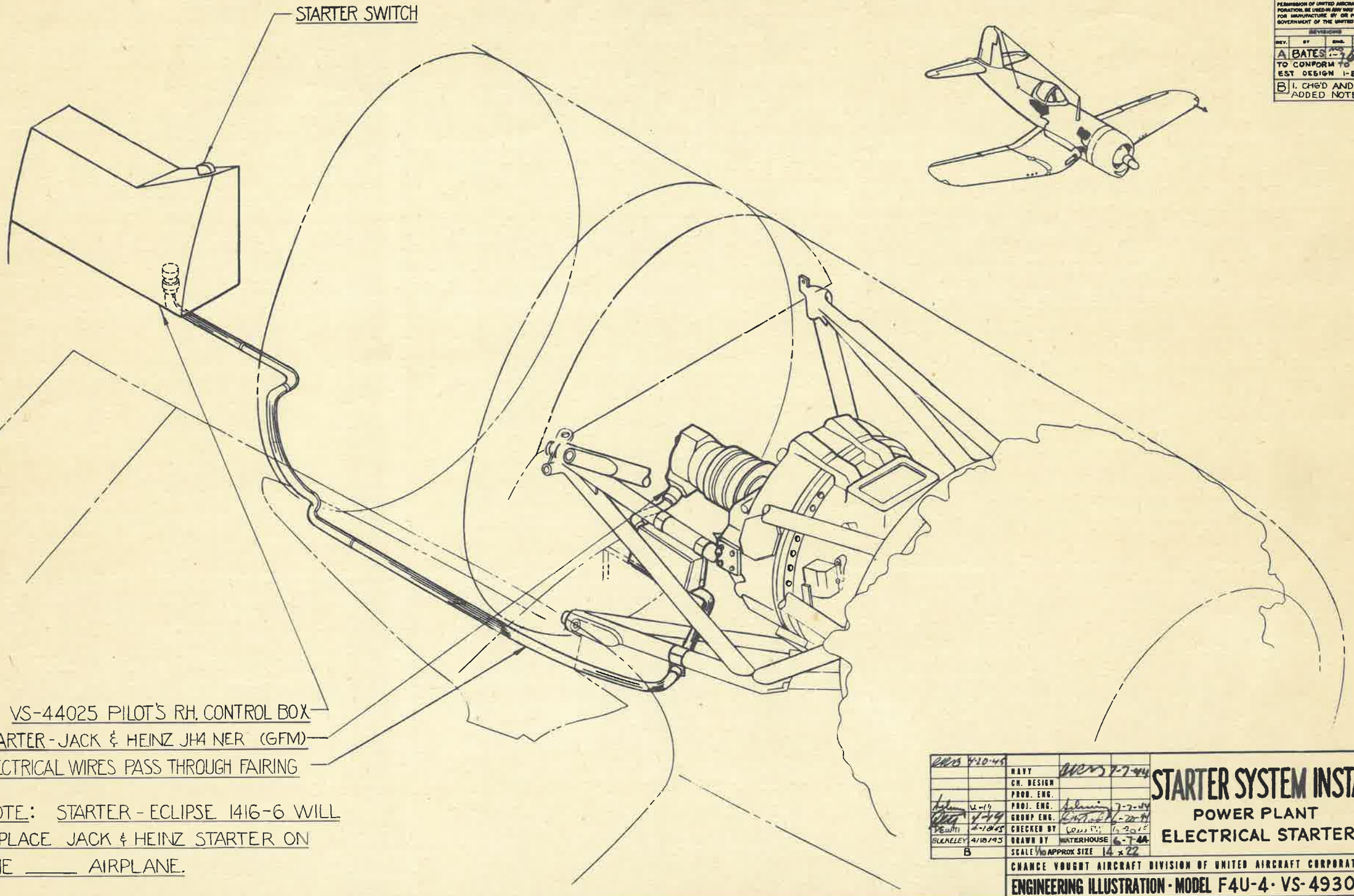
REVISIONS			
REV.	BY	ENG.	GOVT.
A	BATES 1-3-45		
	TO CONFORM TO LATEST DESIGN 1-8-45		
B	I. CHG'D AND ADDED NOTES		



VS-44025 PILOT'S RH. CONTROL BOX

STARTER - JACK & HEINZ JH4 NER (GFM)

ELECTRICAL WIRES PASS THROUGH FAIRING

NOTE: STARTER - ECLIPSE 1416-6 WILL REPLACE JACK & HEINZ STARTER ON THE ____ AIRPLANE.

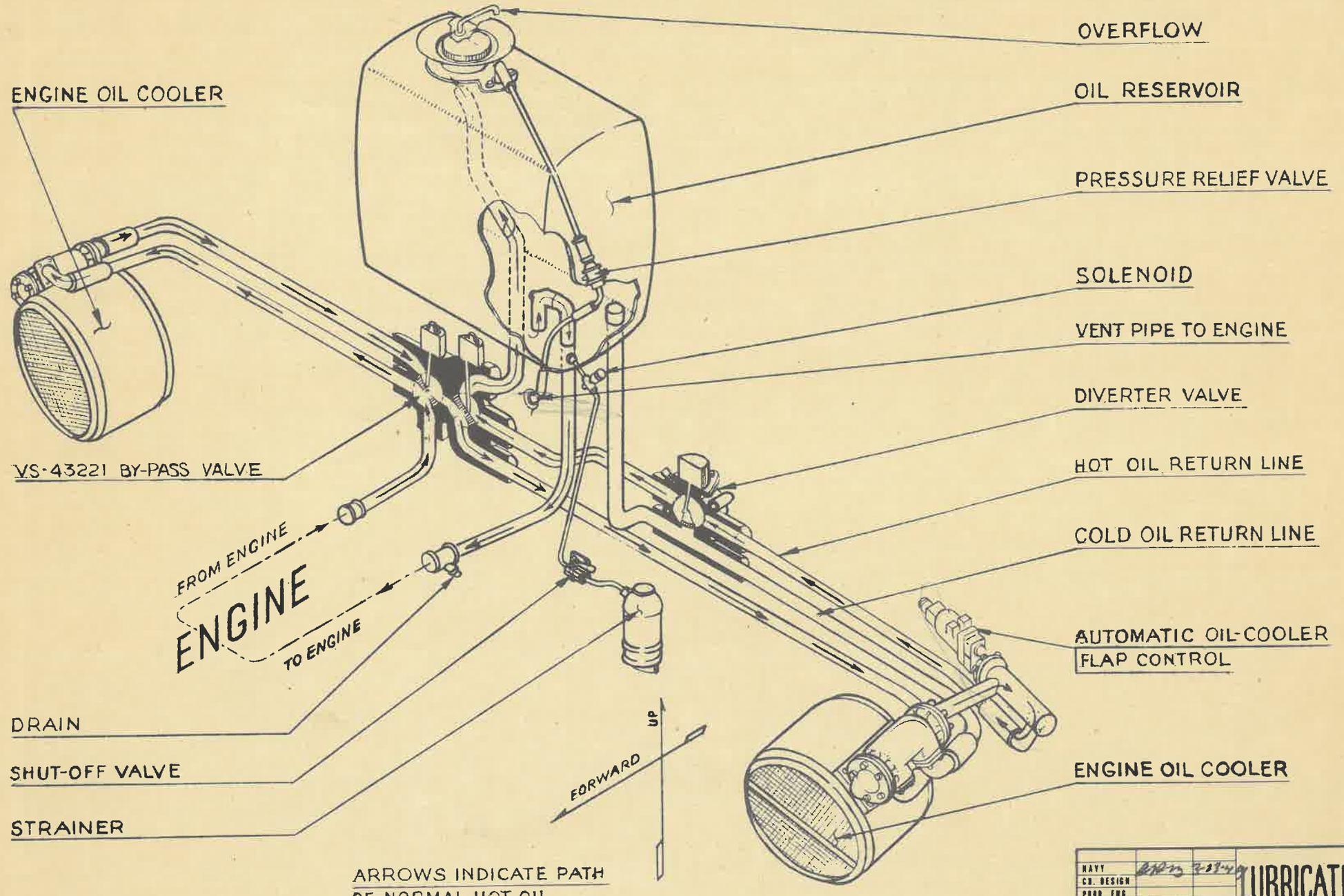
	4-20-45	NAVY		7-7-44	STARTER SYSTEM INSTAL.
		CH. DESIGN			POWER PLANT
		PROD. ENG.			ELECTRICAL STARTER
	4-29	PROJ. ENG.		7-7-44	
	4-29	GROUP ENG.		6-20-44	
DEWITT	4-18-45	CHECKED BY		6-20-44	
BUKELEY	4/18/45	DRAWN BY	WATERHOUSE	6-7-44	
B		SCALE 1/10 APPROX SIZE		14 x 22	

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49305

THIS DRAWING WAS PREPARED IN ACCORD WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT. BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

REVISIONS			
REV.	BY	ENG.	GOVT.
A	SZAD. 12-C.		
TO CONFORM TO LATEST DESIGN 10-4-44			
B	BATES 2-7-45		
TO CONFORM TO LATEST DESIGN			



ARROWS INDICATE PATH OF NORMAL HOT OIL

PART NO. VS 40307

NAVY		
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	Clark	3-23
GROUP ENG.		3-14-44
CHECKED BY		
DRAWN BY	H.R. WELD	2-16-44
SCALE NONE	SIZE 11 X 17	

LUBRICATING SYSTEM
POWER PLANT SCHEMATIC

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49307

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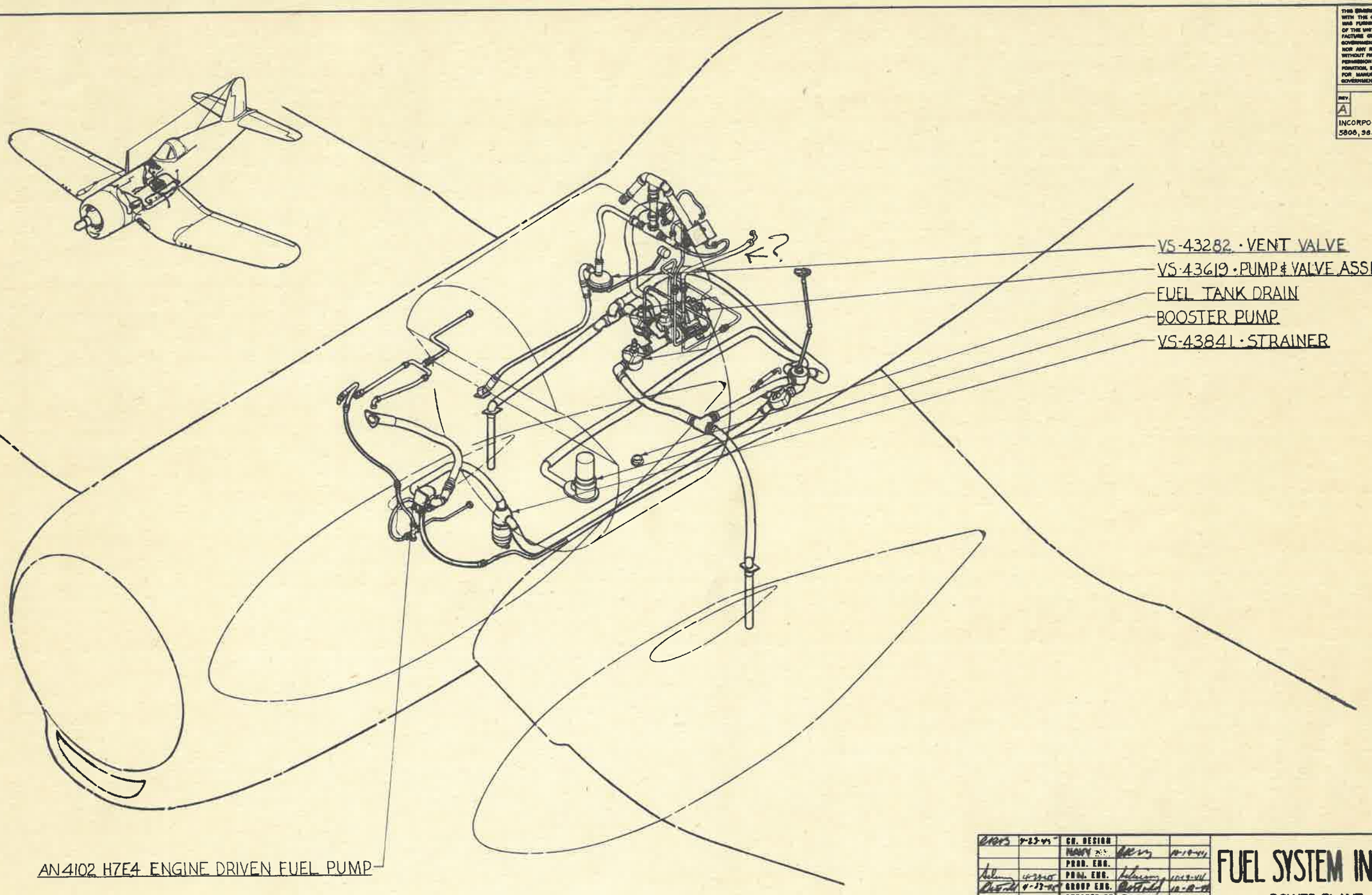
REVISIONS	
REV.	
A	INCORPORATES EO'S 5807, 5808, 38567, 80


VS-43282 · VENT VALVE
VS-43619 · PUMP & VALVE ASSEM.
FUEL TANK DRAIN
BOOSTER PUMP
VS-43841 · STRAINER
AN4102 H7E4 ENGINE DRIVEN FUEL PUMP

PART NO. VS-40325

		CH. DESIGN		
		MANY		10-10-44
		PROD. ENG.		
	4-23-45	PROJ. ENG.		10-18-44
	4-23-45	GROUP ENG.		10-18-44
		CHECKED BY	DAVITT	10-6-44
		DRAWN BY	PALMIERI	8-25-44
TABOR	4-20-45	TRACED BY		
A		SCALE 1/10 · SIZE 22 X 34		

FUEL SYSTEM INSTAL

POWER PLANT

CHANCE VOUGHT AIRCRAFT-DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49325

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REVISIONS			
REV.	BY	APP'D	DATE
B	NIELD		
REDRAWN WITH REVISIONS AS NOTED			
C	TO CONFORM TO LATEST DESIGN		

PRESSURE LINE
VENT LINE
VS-43103 FUEL QUANTITY GAUGE
VS-13361 VACUUM RELIEF VALVE
FILLER CAP
SELF SEALING FUEL CELL 233 GAL CAPACITY
AIR INTAKE
PR-58-E2 CARBURETOR
R2800-18W ENGINE
VS-43270 SHUTOFF FLOAT VALVE & CHECK
H7E4 ENGINE DRIVEN FUEL PUMP
VS-43310 SUBMERGED BOOSTER PUMP
DRAIN
OVERBOARD LINE
VS-43841 STRAINER
VS-34326 DEFUELING VALVE
VS-43610 SOLENOID VALVE (2 REQ)
DROPPABLE TANKS (2 REQ)
FUEL SELECTOR DIAL

FUEL PRESSURE
FUEL QUANTITY
WARNING RED LIGHT ON WHEN 50 GALS REMAIN
TRANSFER LIGHT ON WHEN TRANSFER SWITCH ON AND DROP TANK EMPTY
EMERG. BOOSTER OFF } BOOSTER PUMP SWITCH
LEFT RIGHT OFF } TRANSFER SWITCH
ON DUMP
COCKPIT FLOOR
VS-43282 CHECK RELIEF VALVE
VS-43281 TRANSFER INDICATOR
VS-43612 FUEL PUMP
OVERBOARD LINE
VS-43276 FUEL SELECTOR VALVE

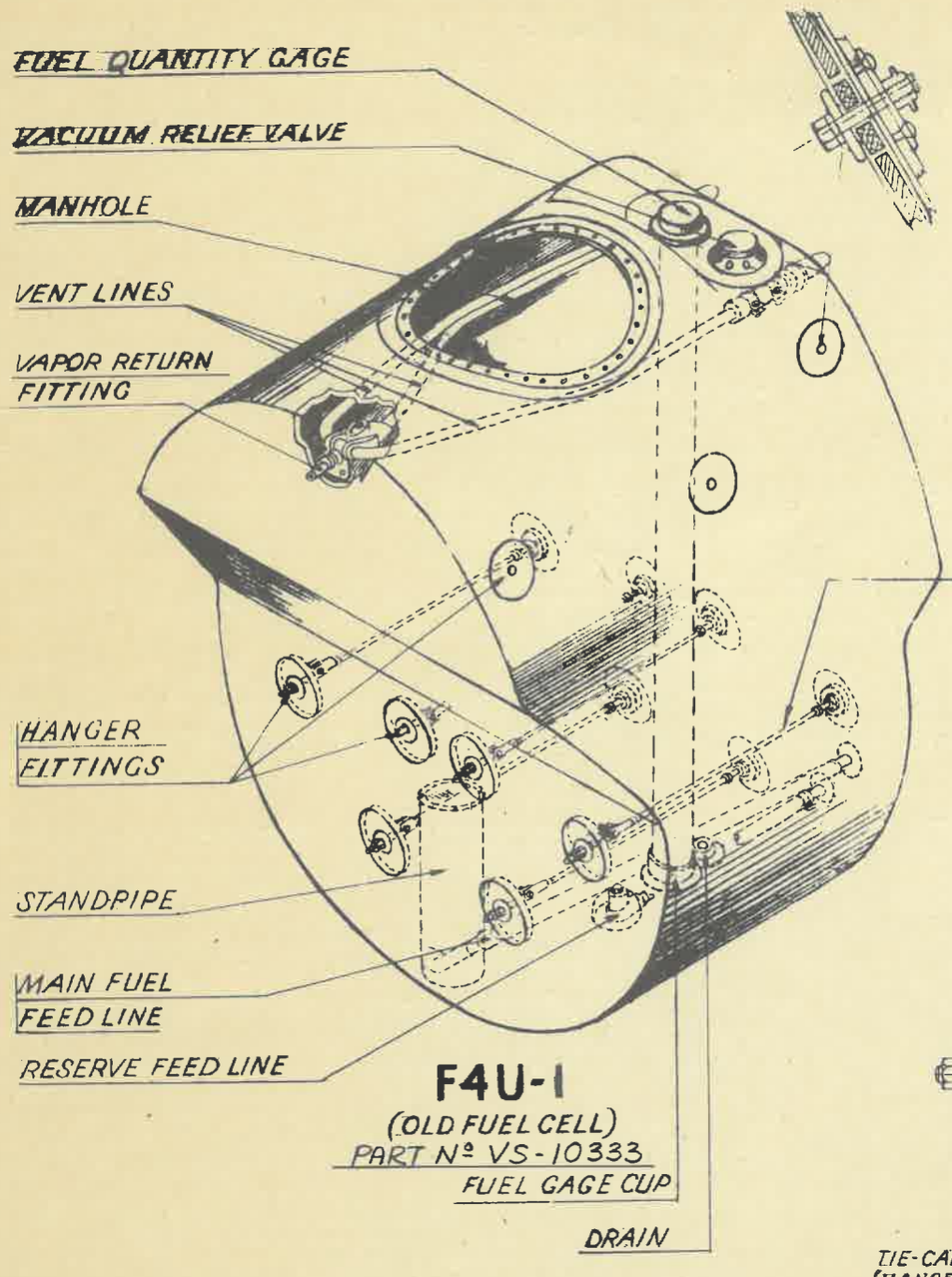
	NAVY		
	CH. DESIGN		
	PROD. ENG.		
4-23-45	PROJ. ENG.	CLARK	12-31-43
4-23-45	GROUP ENG.	D.W. TODD	12-29-43
	CHECKED BY		
TABOR 4-21-45	DRAWN BY	NIELD	8-11-44
C	SCALE NONE	SIZE 11 X 17	

FUEL SYSTEM DIAGRAM

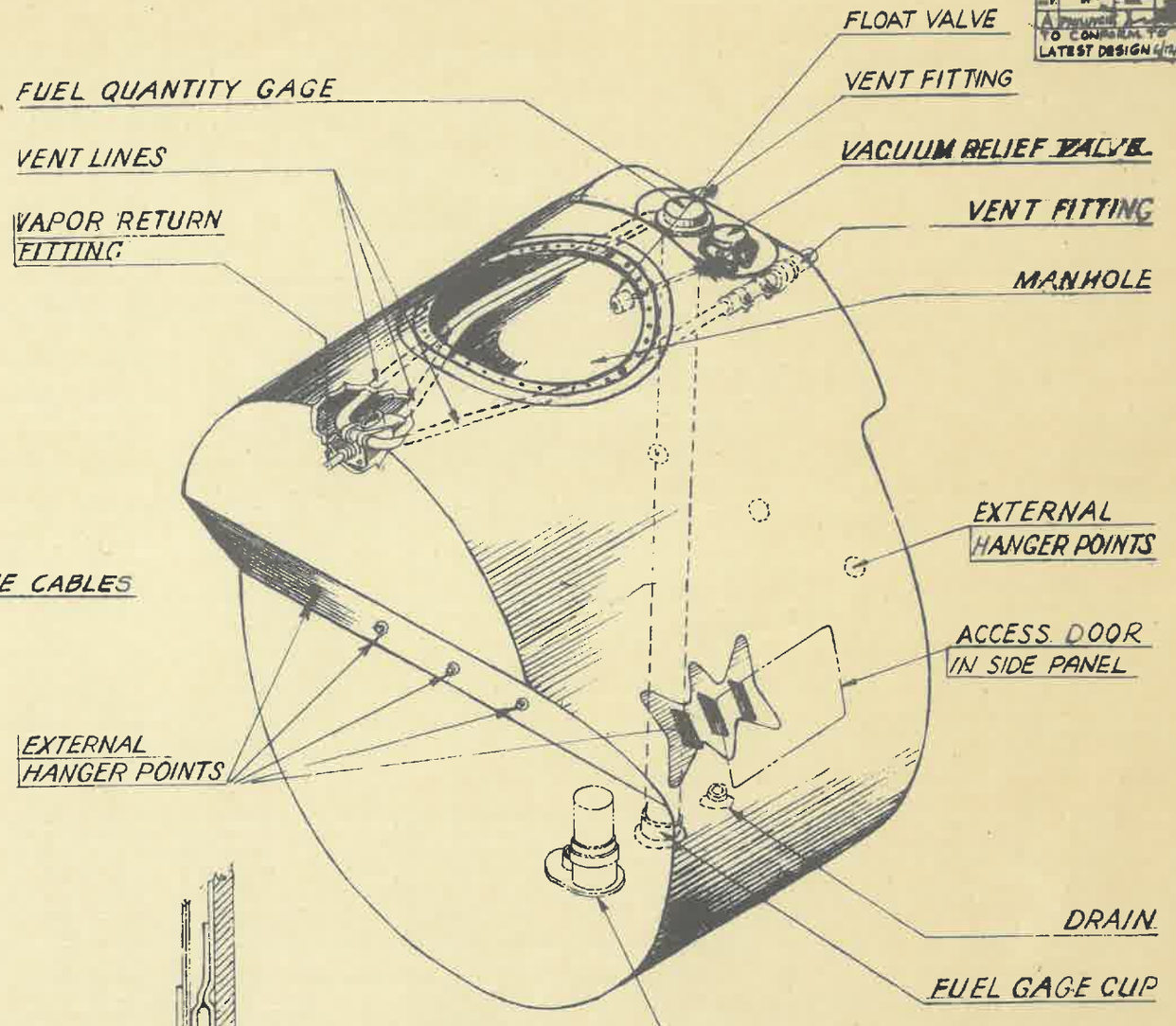
CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49380

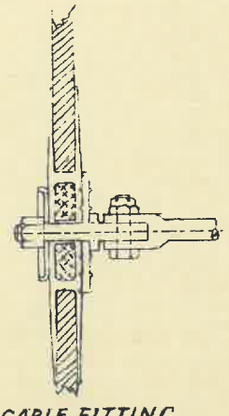
HANGER FITTING F4U-1



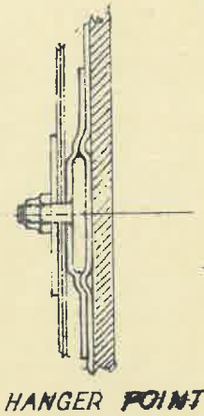
F4U-1
(OLD FUEL CELL)
PART Nº VS-10333
FUEL GAGE CUP



F4U-4
PART Nº VS-40333



TIE-CABLE FITTING
(HANGER POINT FITTING)
F4U-1



HANGER POINT
F4U-4

TO CONFORM TO LATEST DESIGN 4/1/44

NAVY	J.T.M.	H-30-43
CH. DESIGN		
PROD. ENG.		
PROJ. ENG.	CLARK	11-2-43
GROUP ENG.	O.W. TODD	10-28-43
CHECKED BY		
DRAWN BY	WELD	10-26-43
SCALE 1/8 APPROX SIZE	14 x 22	

TANK INSTAL
FUEL SYSTEM
MAIN FUEL

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49333

THIS DRAWING MAY BE USED IN CONNECTION WITH THE CONTRACT UNDER WHICH IT WAS FURNISHED TO THE GOVERNMENT OF THE UNITED STATES FOR THE MANUFACTURE OF ARTICLES BY OR FOR THE GOVERNMENT, BUT NEITHER THIS DRAWING NOR ANY REPRODUCTION THEREOF MAY, WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF UNITED AIRCRAFT CORPORATION, BE USED IN ANY WAY EXCEPT FOR MANUFACTURE BY OR FOR THE GOVERNMENT OF THE UNITED STATES.

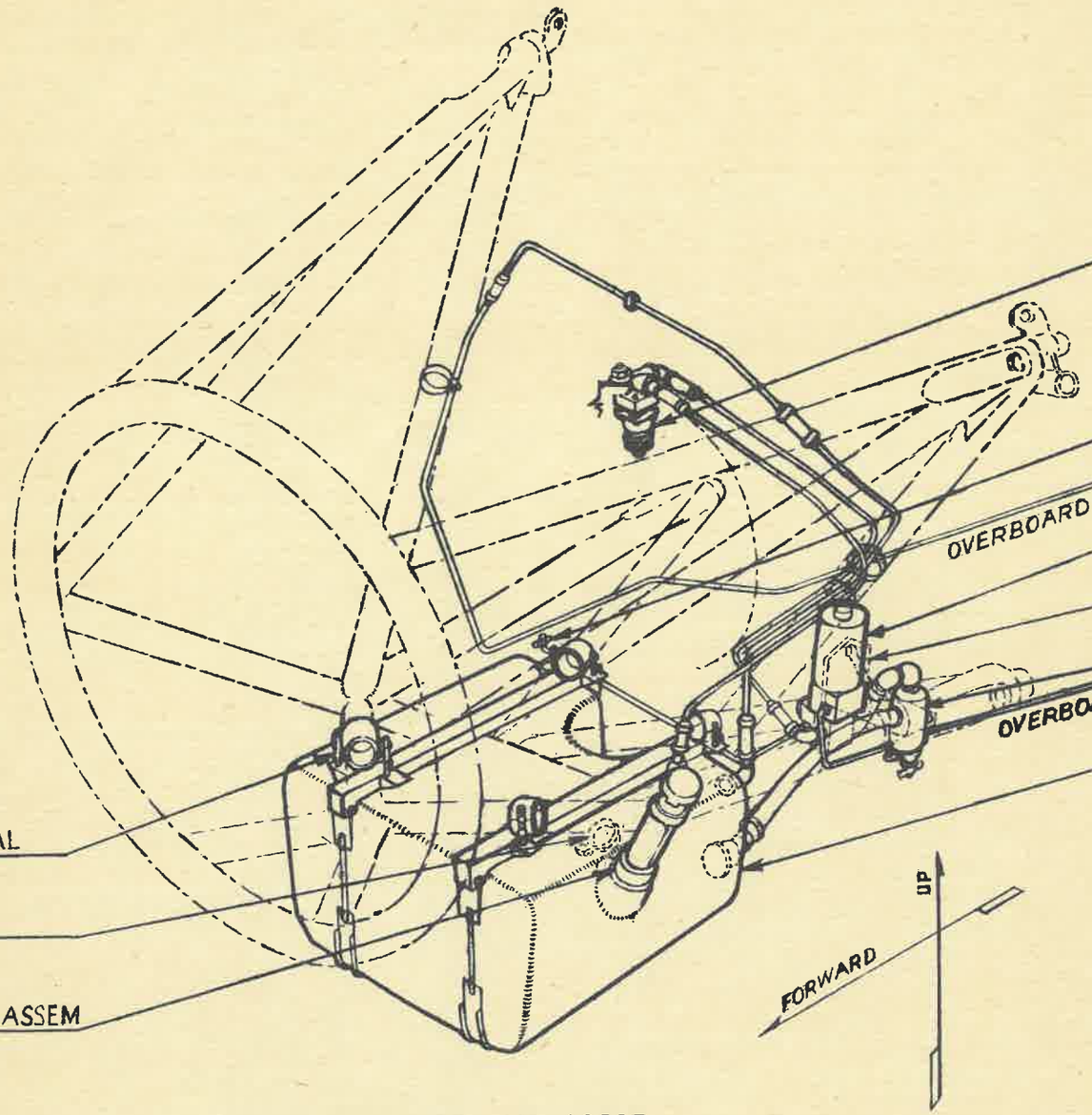
REVISIONS			
REV.	BY	ENG.	GOVT.
A	WELD	[illegible]	

TO CONFORM TO LAYOUT DESIGN - 5/25/44

B BATES

TO CONFORM TO LATEST DESIGN 1-24-45

C CHG'D TO AGREE WITH VS-40327 CHG D + E 093600



WATER REGULATION SOLENOID VALVE

AN-827-4D CROSS (REF)

VS-43309 PUMP & MOTOR ASSEM

VS-43524 SUPPORT INSTAL (REF)

AN-4000-2A STRAINER

VS-43540 WATER TANK

VS-43531 CRADLE INSTAL

TANK DRAIN

VS-43517 FILLER UNIT ASSEM

PART NUMBER VS-40327

		NAVY		5-5-44
		CH. DESIGN		
		PROD. ENG.		
	4-19	PROJ. ENG.		5-5
	4-19	GROUP ENG.		4-29
TEUTH	4-19-45	CHECKED BY		
TABOR	4-19-45	DRAWN BY	H.R.WELD	4-27-44
C		SCALE 1/10	SIZE 11 X 17	

WATER INJECTION SYS
POWER PLANT

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-49327

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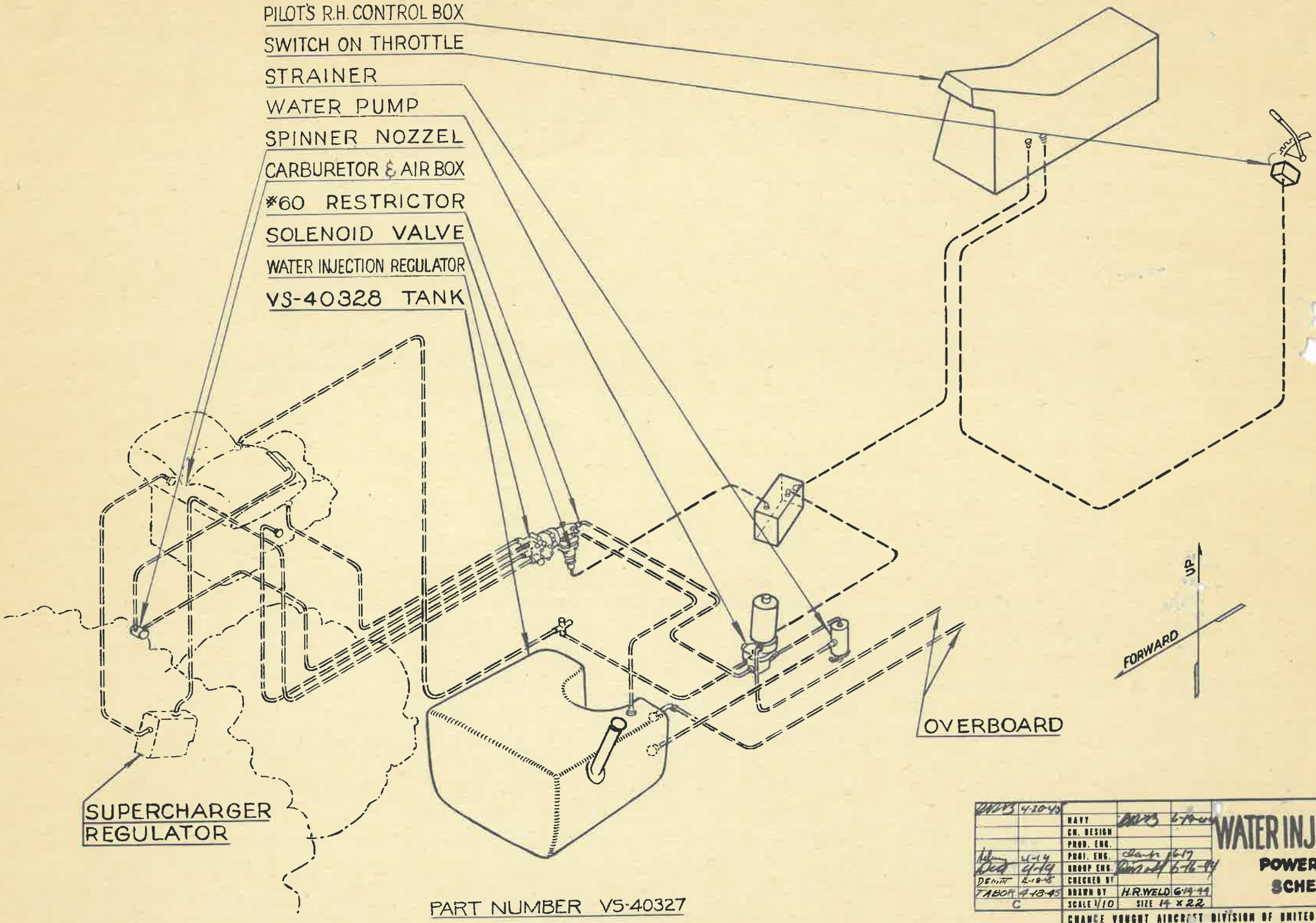
REVISIONS			
REV.	BY	ENG.	GOVT.
A	SZAD		
TO CONFORM WITH LATEST DESIGN 11-1-44			
B	BATES		
TO CONFORM TO LATEST DESIGN 1-3-44			
C	CHG'D TO AGREE WITH VS-40327 CHG'D + EO 93800		

PILOT'S R.H. CONTROL BOX
SWITCH ON THROTTLE
STRAINER
WATER PUMP
SPINNER NOZZEL
CARBURETOR & AIR BOX
#60 RESTRICTOR
SOLENOID VALVE
WATER INJECTION REGULATOR
VS-40328 TANK



PART NUMBER VS-40327

	4-10-45			
		NAVY		
		CH. DESIGN		
		PROD. ENG.		
	4-14	PROJ. ENG.		6-19
	4-19	GROUP ENG.		6-16-44
DENNIT	4-18-45	CHECKED BY		
TABOR	4-13-45	DRAWN BY	H.R.WELD	6-19-44
C		SCALE 1/10	SIZE 14 x 22	

WATER INJECTION SYS
POWER PLANT SCHEMATIC

CHANCE VOUGHT AIRCRAFT DIVISION OF UNITED AIRCRAFT CORPORATION

ENGINEERING ILLUSTRATION · MODEL F4U-4 · VS-4932